KONKA®

KONKA GROUP CO.,LTD.

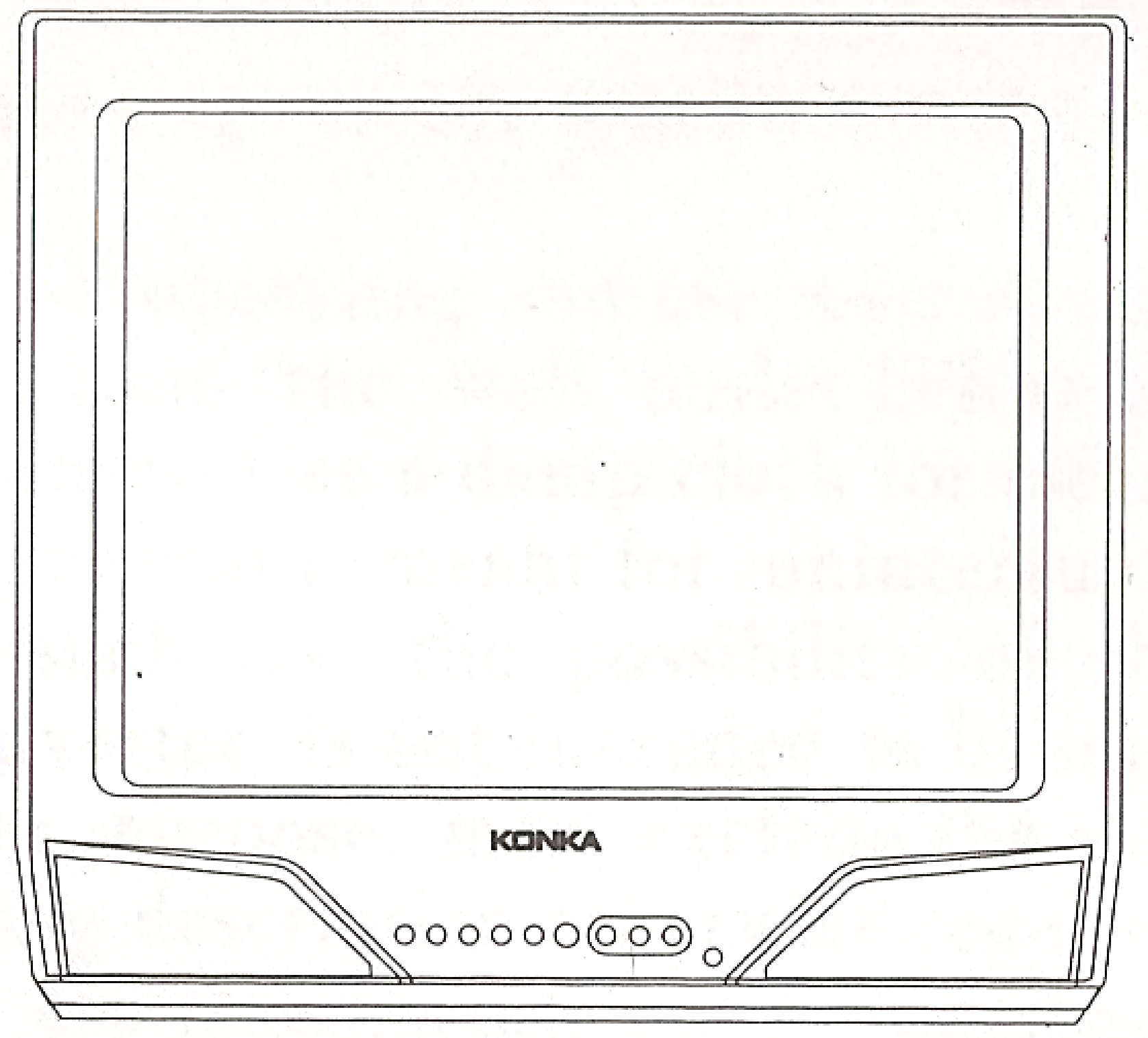
39003083
Printed in China

KONKA

USER'S MANUAL

K2098U

- Closed Caption Capability
- 181 Total Channel Tuning
- Menu Display
- Remote Control
- 120 Minutes sleep Timer
- AV INPUT/OUTPUT
- V-CHIP
- Power Supply:~120V 60Hz
- MTS Stereo



20" 181-CHANNEL CABLE COMPATIBLE
COLOR TELEVISION WITH REMOTE CONTROL

T
4A 125V

"CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 4A, 125V FUSE" and "ATIENION: AFIN D' ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D' INCENDIE, REMPLACERUNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE 4A, 125V".

T
1 A 250V

"CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 1A, 250V FUSE" and "ATIENION: AFIN D' ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D' INCENDIE, REMPLACERUNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE 1A, 250V".

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

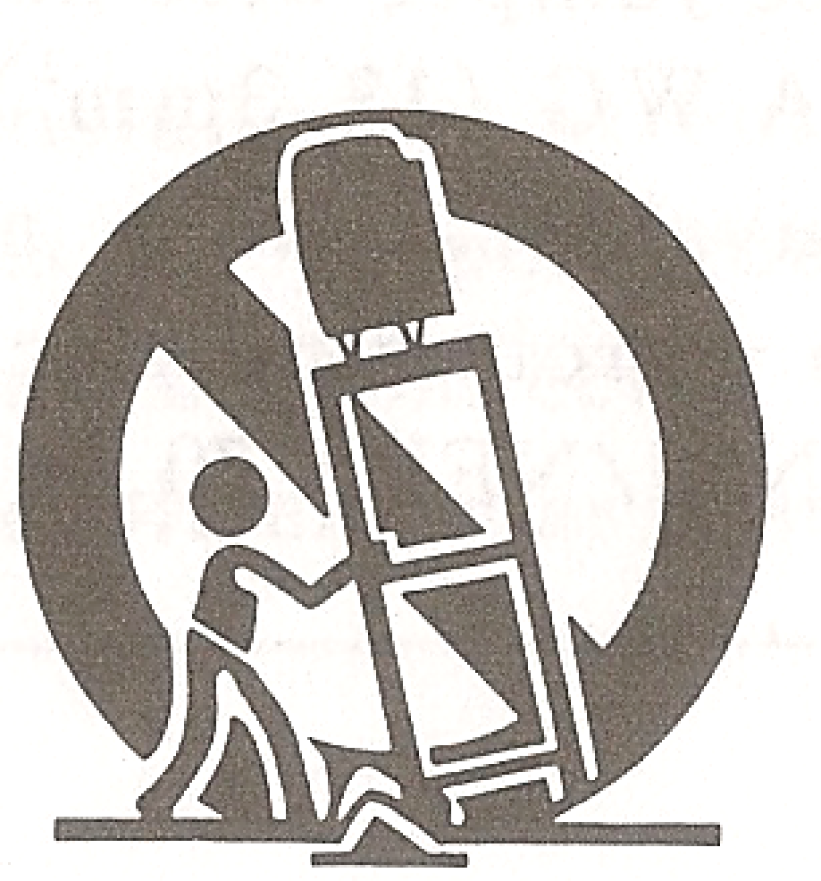
THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESEND WITH THIS UNIT.

THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THIS UNIT.

"IMPORTANT SAFEGUARDS"

1. Read instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
   EXCEPTION: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
6. Attachments - Do not use attachments not recommended by the TV manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this TV near water - for example near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the lake.
8. Accessories - Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care.

   Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.



9. Ventilation – Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating, these openings must not be blocked or covered. The penings should never be blocked by placing the TV on a bed, sofa rug, or other similar surface. This TV should never be placed near or over a radiator or heat register. The TV should not be placed in a built – in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer' s instructions have been adhered to.

10. Power Sources – This TV should be operated only from the type of power source indicated on the marking label If you are not sure of the type of power supply to your home, consult your appliance dealer of local power company. For TVs intended to operate from battery power, or other sources refer to the operating instructions.

11. Grounding or Polarization – This TV is equipped with a polarized alternating – current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

12. Power – Cord Protection – Power – supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance.

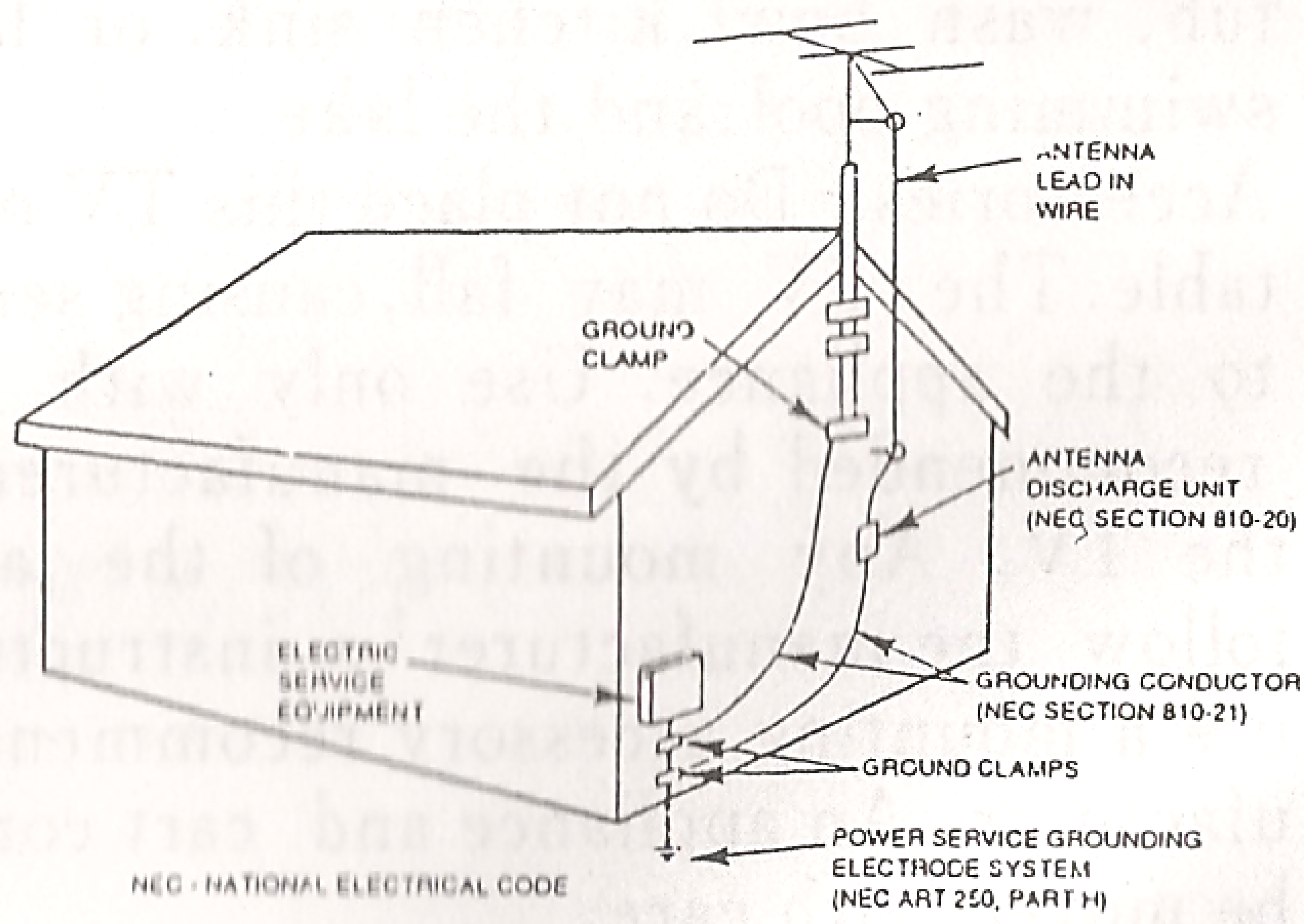
13. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built – up static charges Article 810 of the National Electrical Code. ANSI/ NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead – in wire to an antenna discharge unit, size of grounding conductors, location of antenna – discharge unit, connection to grounding electrodes, and requirements for the grounding electrode(Fig. A)

a. Use NO.10 A WG(5.3mm^2)copper, NO.8 A WG (8.4mm^2) aluminum, NO.17 A WG(1.0mm^2)coper – clad steel of bronze wire, or larger, as a ground wire.

b. Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet(1. 22-1. 83m) apart.

c. Mount antenna discharge unit as close as possible to where lead-in enters house.

d. Use Jumper wire not smaller than No. 6 A WG (13. 3mm^2) copper , or the equivalent, when a separate antenna – grounding electrode is used. See ANSI/NFPA 70.


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
NEC - NATIONAL ELECTRICAL CODE

14. Lightning – For added protection for this TV receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning and power – line surges.

15. Power Lines – An outside antenna system should not be located in the vicinity of overhead power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

16. Overloading – Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

17. Object and Liquid Entry – Never push objects of any kind into this TV through opening as they may touch dangerous voltage points or shortcut parts that could result in a fire of electric shock. Never spill liquid of any kind on the TV.

18. Setvicing – Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage of other hazards. Refer all servicing to qualified service personnel.

19. Damage Requiring Service – Unplug this TV from the wall outlet and refer servicing to qualified service personnel under the fellowing conditions.

a. When the power supply cord or plug is damaged.

b. If liquid has bee spilled or objects have fallen into the TV.

c. If the TV has been exposed to rain or water.

d. If the TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to its normal operation.

e. If the TV has been dropped or the cabinet has been damaged.

f. When the TV exhibits a distinct change in performance – this indicates a need for service.

20. Replacement Parts – When replacement parts are required, be sure the service technician had used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.

21. Safety Check – Upon completion of any service or repairs to this TV, ask the service technician to perform routine safety checks to determine that the TV is in proper operating condition.

22. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Note to CATV system installer.

This reminder is provided to call the CATV system installer' s attention to Section 820 – 40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as dose to the point of cable entry as practical.

Front cover inside

Thank you for your purchasing KONKA color TV, a renowned quality product which will open up a new horizon for your entertainment in the audio-visual world. Please read this manual thoroughly to know how to operate and adjust it properly so that our product will better serve your need with its outstanding performance. After reading, please keep this manual for future reference.

CONTENTS

OVERVIEW 1

EXTERNAL CONNECTIONS 2

- Connecting to AC Power Source 2
- Connecting an Antenna to TV 2
- Connecting Cable (CATV) to TV 2
- Connecting an Antenna or Cable System to VCR and TV 3

REMOTE CONTROLLER 4

MENU OPERATING INSTRUCTIONS 5

- Channel Setup 5
- Adjusting the Picture 6
- Closed-Captioning 6
- Selecting a Menu Language 7
- Setup Clock and ON/OFF Time 8
- Multichannel Channel Television Sound (MTS) Setup 9
- V-chip setup 10

FURTHER OPERATION INSTRUCTIONS 11

- CAPTION Key 11
- Resetting the TV 11
- Setting the Sleep Timer 11
- MTS Key 11

EXTERNAL CONNECTIONS 12

PICTURE DEFECTS AND COUNTERMEASURES 13

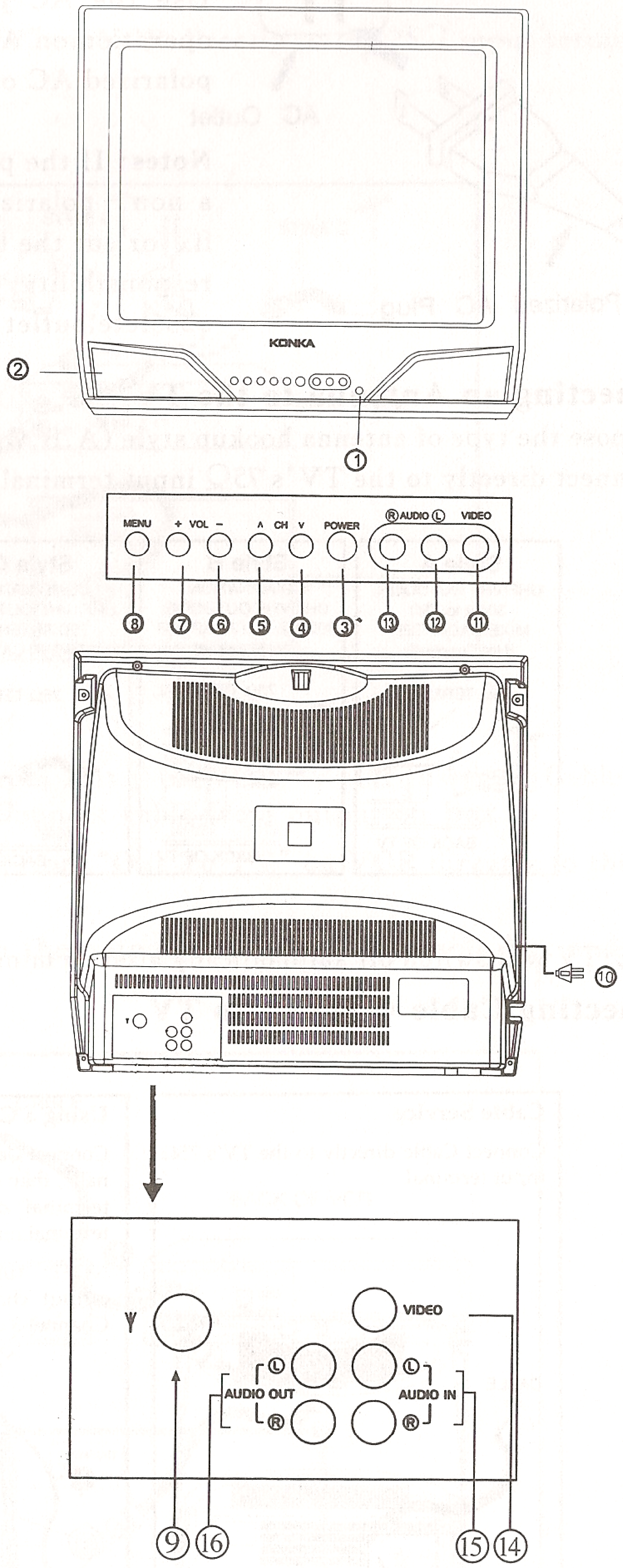
TROUBLE SHOOTING 14

SPECIFICATIONS 15

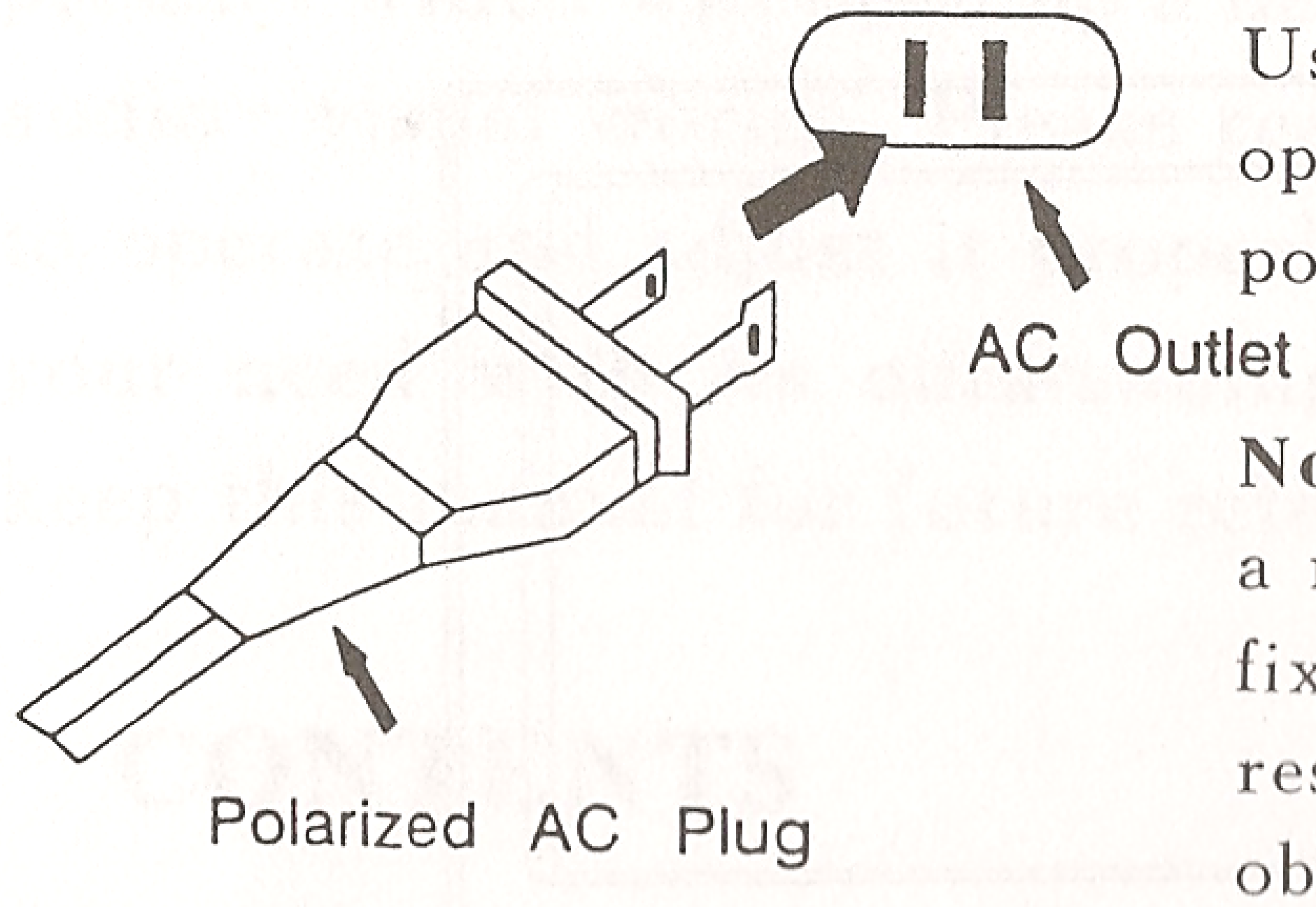
ACCESSORIES 15

OVERVIEW

① Remote Control Detector
② Loudspeakers
③ Power Button
④ Channel Down Button
⑤ Channel Up Button
⑥ Volume Down Button
⑦ Volume Up Button
⑧ Menu Button
⑨ Antenna Jack
⑩ AC Line Cord
⑪ Video input jack (AV2)
⑫ Audio L input jack (AV2)
⑬ Audio R input jack (AV2)
⑭ Video input jack (AV1)
⑮ Audio input jack (AV1)
⑯ Audio output jack



EXTERNAL CONNECTIONS


AC Outlet
Polarized AC Plug

CONNECTING TO AC POWER SUPPLY

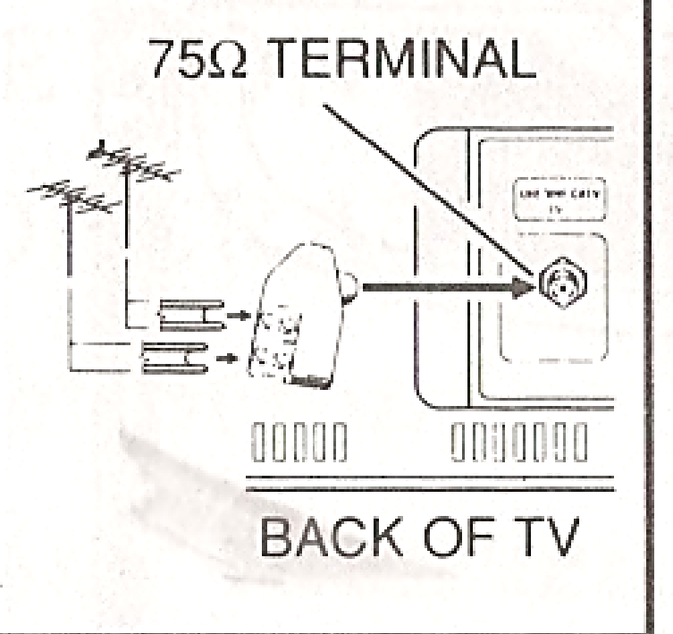
Use the AC polarized line cord provided for operation on AC. Insert the AC cord plug into a polarized AC outlet.

Notes: If the polarized AC plug does not fit into a non-polarized AC outlet, do not attempt to fix or cut the blade of the plug. It is the user's responsibility to have an electrician replace the obsolete outlet.

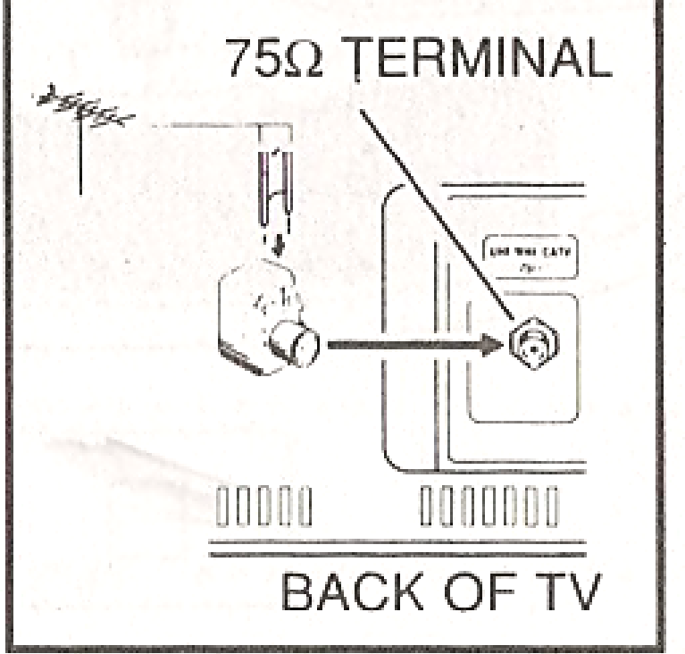
Connecting an Antenna to the TV

- Choose the type of antenna hookup style (A, B, C or D) that resembles your antenna.
- Connect directly to the TV's 75Ω input terminal as shown in the style you selected.

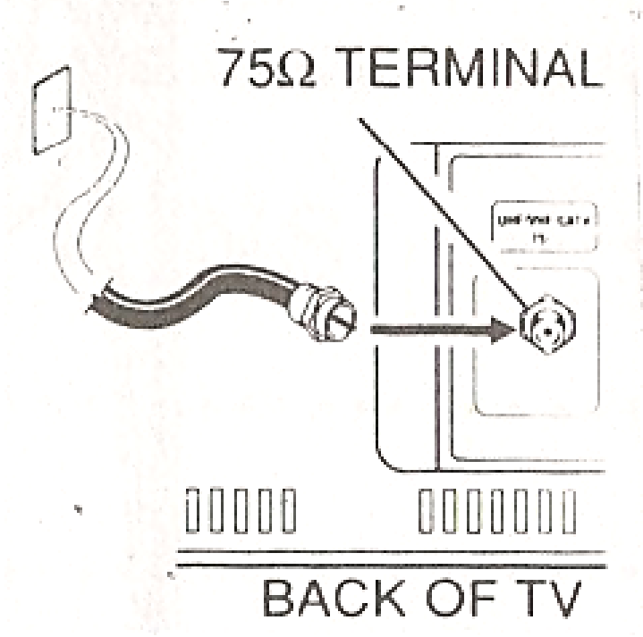
Style A
UHF/VHF OUTDOOR
300Ω to 75Ω
MIXER/ADAPTER
(Not Supplied)


75Ω TERMINAL
BACK OF TV

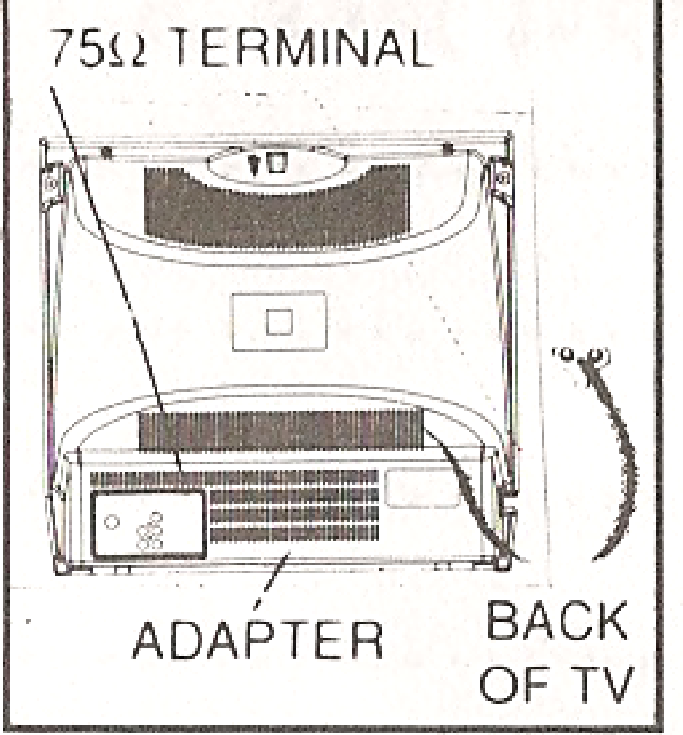
Style B
COMBINATION
UHF/VHF OUTDOOR
300Ω to 75Ω ADAPTER
(Not Supplied)


75Ω TERMINAL
BACK OF TV

Style C
COMBINATION
UHF/ VHF OUTDOOR
75Ω ANTENNA
LEAD-IN CABLE


75Ω TERMINAL
BACK OF TV

Style D
TELESCOPIC INDOOR
ANTENNA AND
ADAPTER

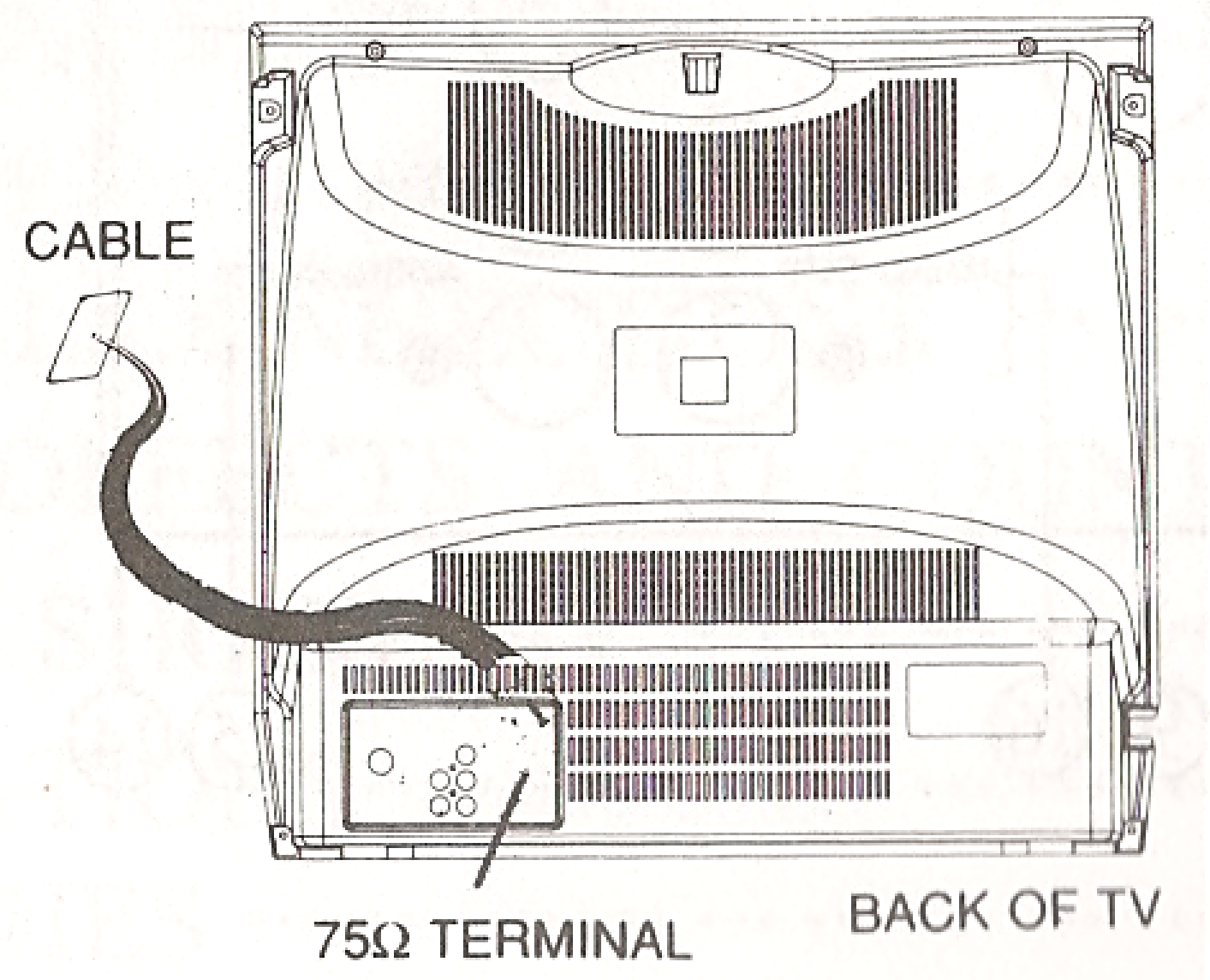

75Ω TERMINAL
ADAPTER
BACK OF TV

NOTE: TV will switch off automatically after 15 minutes if a signal is not being received.

Connecting Cable (CATV) to TV

Cable Service

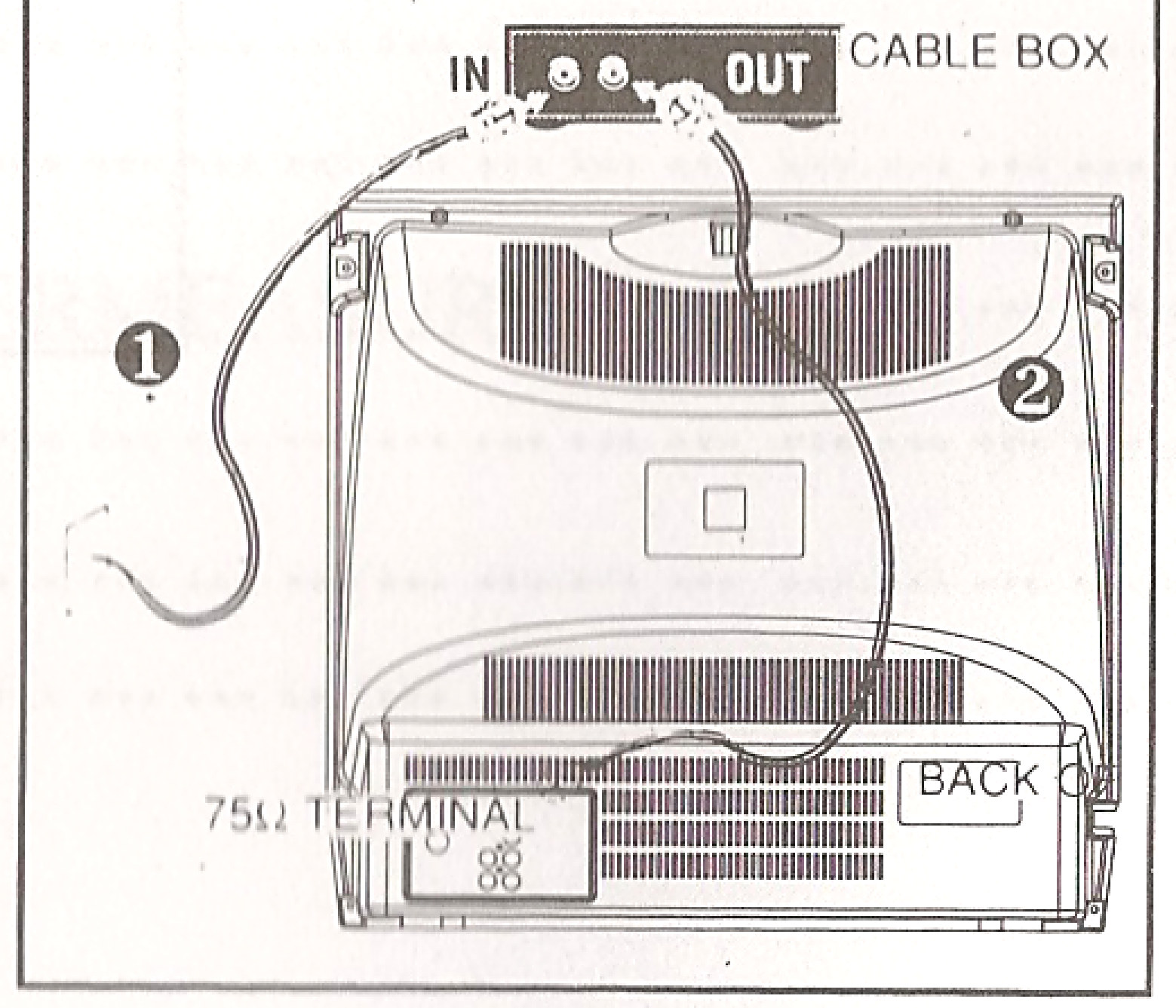
Connect Cable directly to the TV's 75Ω input terminal.


CABLE
75Ω TERMINAL
BACK OF TV

Using a Cable Box

Connect Cable to Cable Box "In" terminal①, then connect the Cable Box "Out" terminal directly to the 75Ω input terminal on your TV②

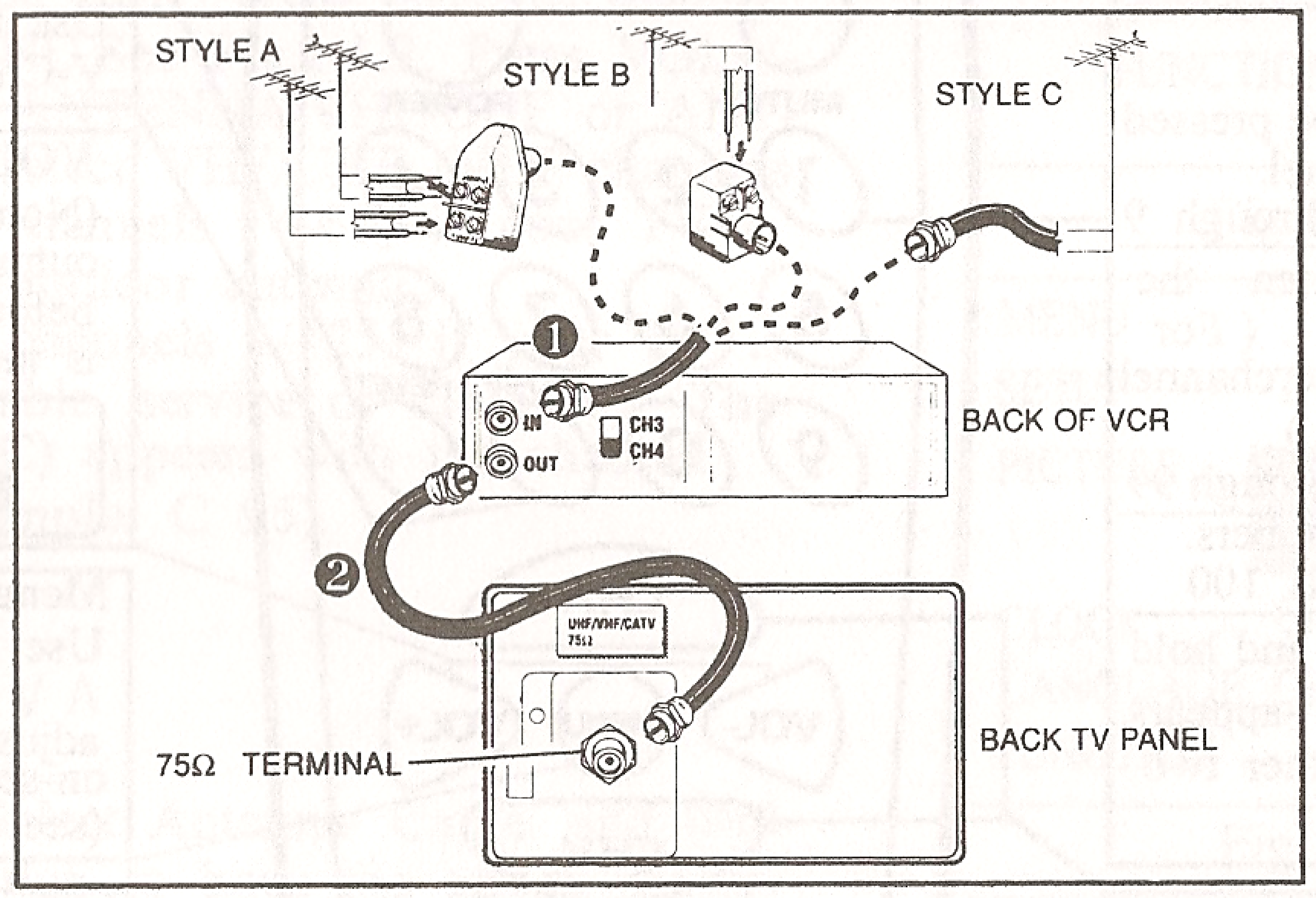
NOTE: Tune your TV to match the output channel of the box (such as Channel 3 or 4).


IN
OUT
CABLE BOX
①
②
75Ω TERMINAL
BACK OF

Connecting an Antenna or Cable System to VCR and TV

Antenna

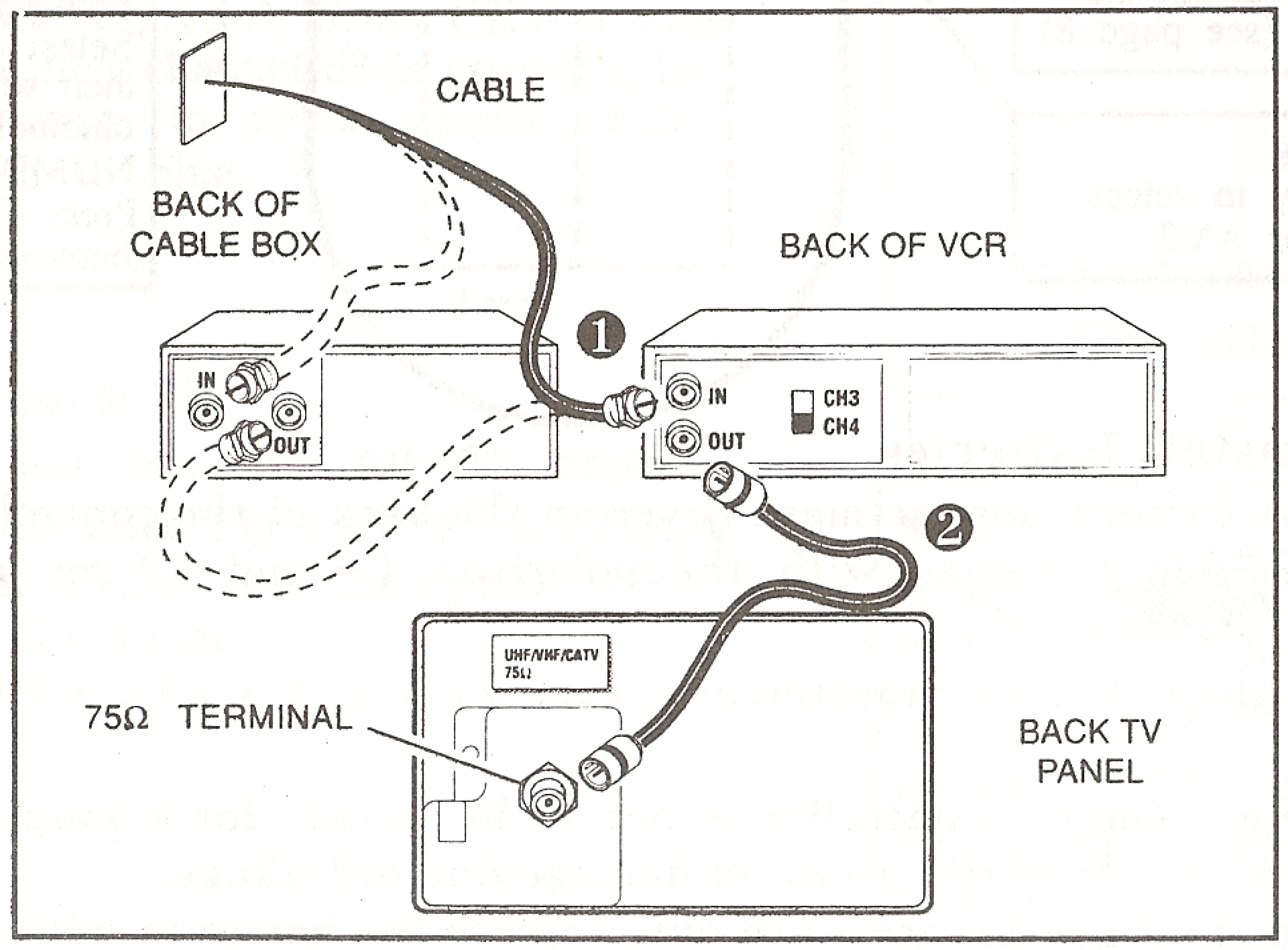
- Choose your antenna hookup, style A, B or C and connect to "In From Ant." on VCR①.
- Connect cable from "Out To TV" on VCR directly to the 75Ω input terminal on your TV②


STYLE A
STYLE B
STYLE C
①
IN
OUT
CH3
CH4
BACK OF VCR
②
UHF/VHF/CATV
75Ω
75Ω TERMINAL
BACK TV PANEL

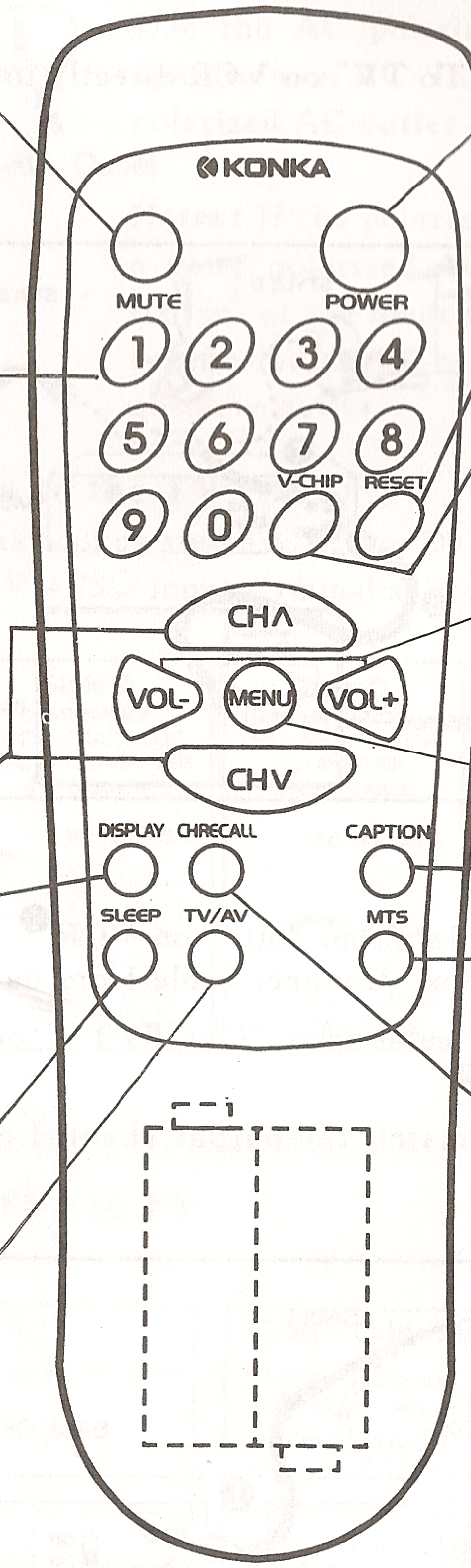
Cable Service

Connect cable directly to "In From Ant." on VCR①. (If using a Cable Box, connect cable to input on Box. Connect cable from output on Box to "In From Ant." on VCR①.) Connect cable from "Out To TV" on VCR directly to the 75Ω input terminal on your TV②.

NOTE: Tune your TV to match the output channel on the cable box and VCR (such as Channel 3 or 4).


CABLE
BACK OF CABLE BOX
BACK OF VCR
IN
OUT
①
CH3
CH4
②
UHF/VHF/CATV
75Ω
75Ω TERMINAL
BACK TV PANEL

REMOTE CONTROLLER



Mute Key
Press once to turn off the volume. Press again to restore.

MUTE

Number Keys
Two keys must be pressed to select a channel.
For channels 1 through 9, press "0" first, then the channel number . (For example, to select channel 6: Press 0,then 6.)
For channels 10 through 99. Press the two numbers.
For cable channels 100 through 125, press and hold the 1 key until 1 – –appears. Then press the other two numbers.

CH (Channel) ∧ V Scanning Keys

Display Key
Press once to display the Clock and Channel number. Press again to remove the display.

10:10AM
12

Sleep Key
Use this key to set the Sleep Timer (see page 8)

TV/AV Key
Use this Key to select TV, AV1 or AV2

Power Key

Reset Key
Press this key to reset TV to factory settings (see page 8)

V-Chip Key
Use this key to select V-Chip mode

VOL (Volume)-+Keys
(Note: Maximum sound output may be reached before the highest level is indicated.)

VOLUME
32

Menu Key
Use this key with the ∧ V and - / + keys to adjust features of the on-screen menu system (see pages 5-7)

Caption Key
Press to select the caption mode (see page 8).

MTS (Multichannel Television stereo)
Press to choose between listening to stereo broadcasts, mono broadcasts, or a Separate Audio Program (SAP) broadcast

Ch-Recall Key
Use this key to switch between two channels. Select the first channel; then select the second channel using the NUMBER keys.
Press Ch-Recall to switch between the channels.

How to Install Batteries

1. Open the battery compartment cover on the back of the controller.
2. Insert 2 "AA" batteries with the polarities (+ and –) as indicated in the battery compartment.
3. Replace the battery compartment cover.

Notes:

- If the remote controller is not to be used for a long period of time, remove the batteries to avoid damage due to leakage.
- When the batteries are worn out, replace the batteries with new ones.

MENU OPERATING INSTRUCTIONS

Channel Setup

1.Press MENU button, display MENU,press CH∧/V button to select SETUP. See Fig.1.1.1.

2.Resetting Autenna/Cable Mode
Repeat Step 1 and then press MENU, display SETUP-SUB-MENU.See Fig.1.1.2. Press VOL+/- button to Select ANTENNA:VHF/UHF or ANTENNA: CABLE. Select VHF/UHF (VHF channels 2-13 and UHF channels 14-69) if your TV is connected to an outdoor antenna.)
Select CABLE (channels 1-125) if your TV is connected to a cable service or cable box. The Cable indicator (C) appears with the channel number. (For example: C 95).

3.Channel Search
Repeat Step 2 Select Antenna/ Cable. and then press MENU button to have the screen display like Fig .1.1.3. Press VOL+/- button to start automatic CH. search and store.
(In the process of automatic search,press MENU button to return MENU,press POWER button to switch off. No use of pressing other buttons.

4.Deleting or Adding Channels
Select your expectedly deleting or adding channels by using number buttons. Repeat Step 1 to select SETUP,three times pressing of MENU to have screen display like Fig.1.1.4. Press CH∧ button to add channel, then channel 63 is green display; Press CH V button to delete channel, then channel 63 turn to blue.

5.Setting TV/AV mode
Repeat step 1 and then press MENU , display SETUP SUB-MENU.See Fig.1.1.1. Press CH∧/V keys to highlight TV/AV and then press vol+/- to select AV or TV mode
TV/AV mode: TV→ AV1→ AV2→ TV

MENU
→ SETUP
PICTURE
CLOCK
LANGUAGE
FUNCTION

Fig.1.1.1

MENU
SETUP → TV/AV:TV
PICTURE ANTENNA: UHF VHF(or CABLE
CLOCK CH.SEARCH:START
LANGUAGE CH.MEMORY:C95
FUNCTION

Fig.1.1.2

MENU
SETUP → TV/AV:TV
PICTURE ANTENNA:
JHF/VHF(or CABLE
CLOCK CH SEARCH START
LANGUAGE CH.MEMORY:C95
FUNCTION

Fig.1.1.3

CH MEMORY:63
+ADD -DELETE

Fig.1.1.4

MENU
SETUP → TV/AV TV
PICTURE ANTENNA:
JHF/VHF(or CABLE
CLOCK CH.SEARCH:START
LANGUAGE CH.MEMORY:C95
FUNCTION

Fig.1.1.5

Adjusting the Picture

1. Press MENU button to enter MENU. Press CH∧/∨ to select PICTURE. See Fig.1.2.1.
2. Press MENU button again, screen display "COLOR". Press VOL+/− button to adjust color of the picture. See Fig.1.2.2.
3. Press MENU button again,screen display "TINT". Press VOL+/− button to adjust tint of the picture. See Fig.1.2.3.
4. Press MENU button again, screen display "CONTRAST". Press VOL+/− button to adjust contrast of the picture. See Fig.1.2.4.
5. Press MENU button again, screen display "BRIGHTNESS". Press VOL+/− to adjust brightness of the picture. See Fig.1.2.5.
6. Press MENU button again, screen display "SHARPNESS". Press VOL+/− to adjust sharpness of the picture. See Fig.1.2.6.
   (If screen display is not according to the above order, keep pressing MENU till the disappearing of the screen display, and then repeat the steps 1−6.)

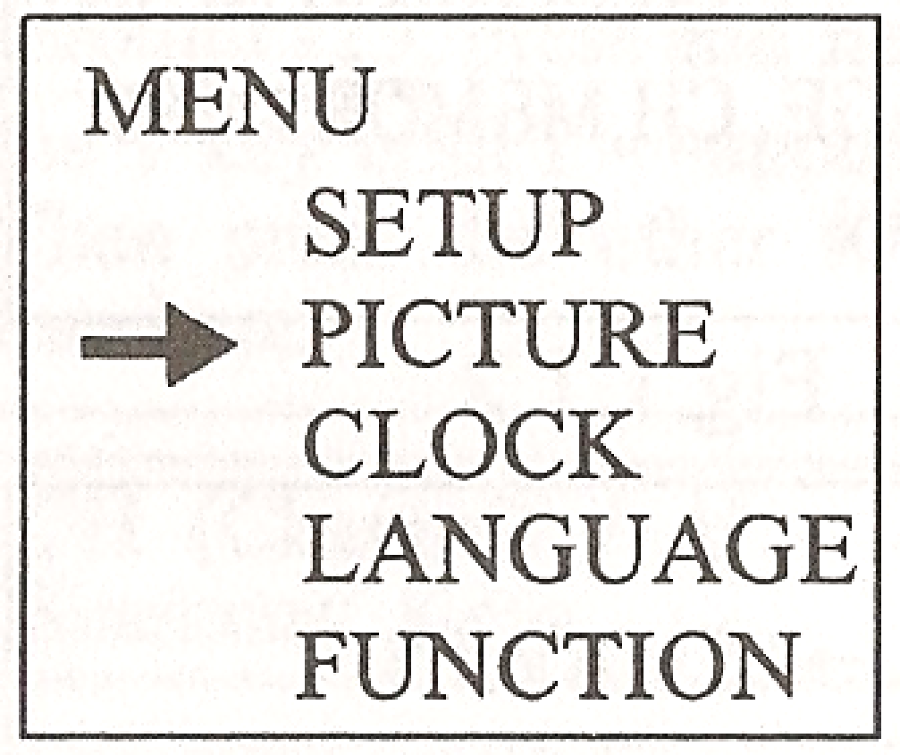

MENU
SETUP
PICTURE
CLOCK
LANGUAGE
FUNCTION

Fig. 1.2.1

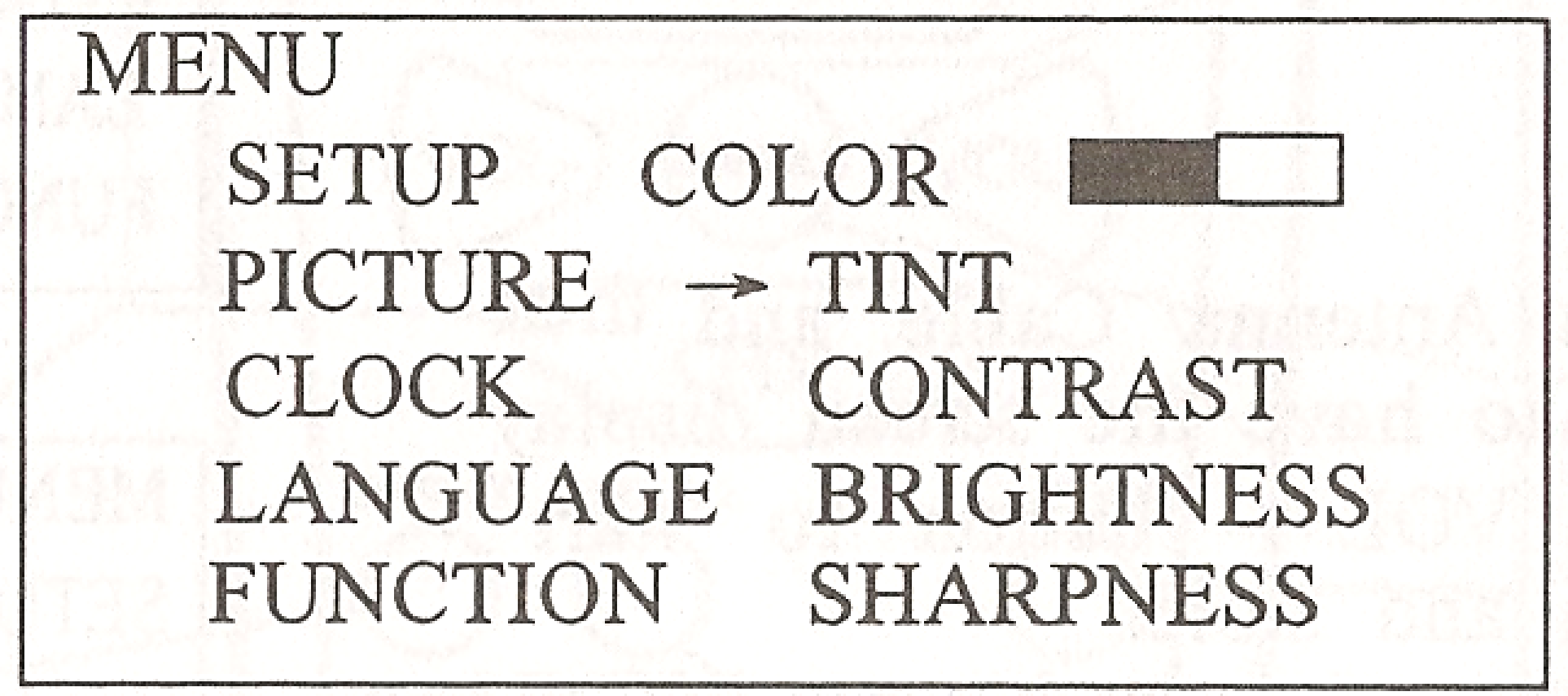

MENU
SETUP
PICTURE
CLOCK
LANGUAGE
FUNCTION
COLOR
TINT
CONTRAST
BRIGHTNESS
SHARPNESS

Fig. 1.2.2

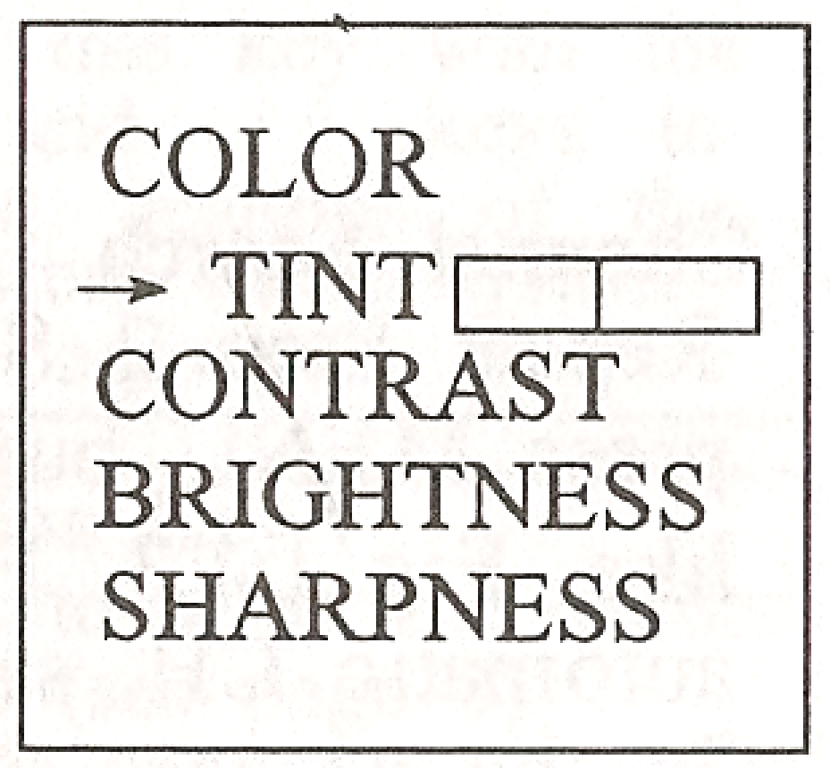

COLOR
TINT
CONTRAST
BRIGHTNESS
SHARPNESS

Fig. 1.2.3

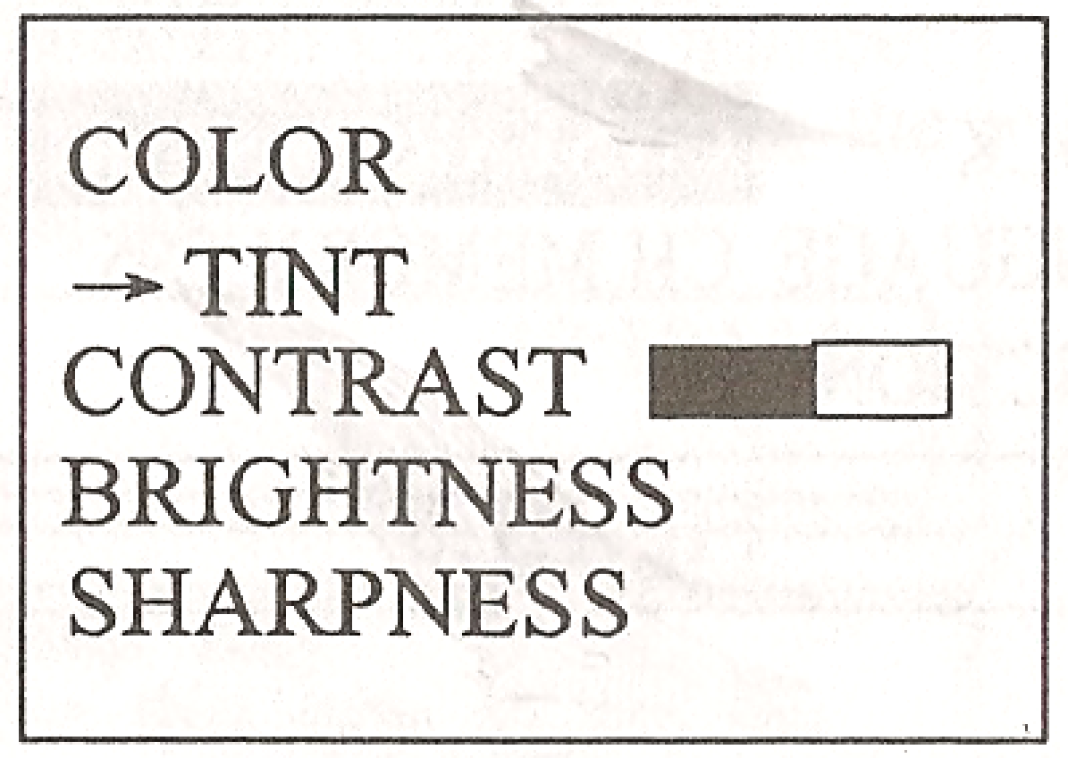

COLOR
TINT
CONTRAST
BRIGHTNESS
SHARPNESS

Fig. 1.2.4

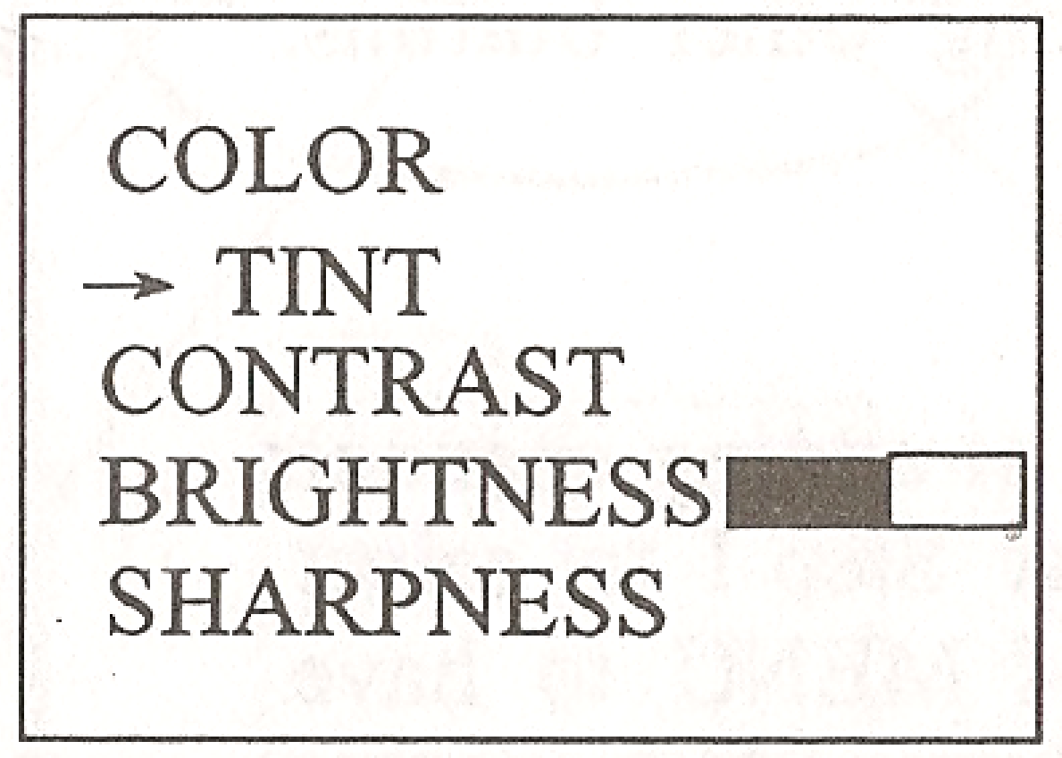

COLOR
TINT
CONTRAST
BRIGHTNESS
SHARPNESS

Fig. 1.2.5

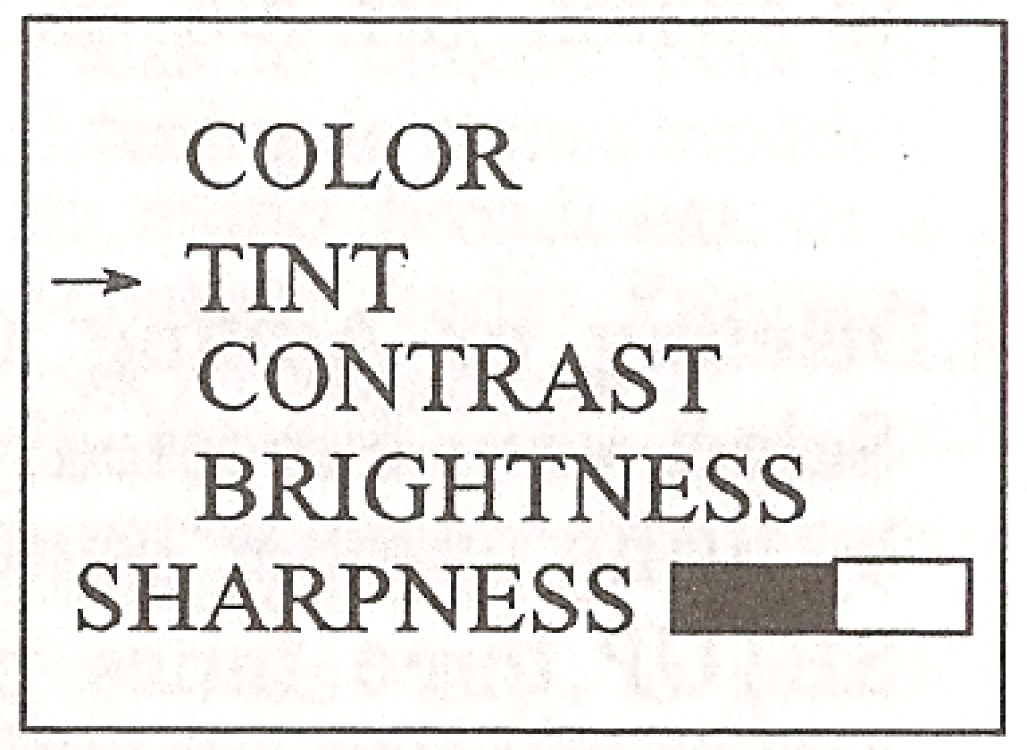

COLOR
TINT
CONTRAST
BRIGHTNESS
SHARPNESS

Fig. 1.2.6

Closed − Captioning

Captioning is a written version of the program sound or other information displayed on the screen. Two channels are provided for captioning and text services. These channels can be selected only when the captioning feature is activated. Check your local TV listing for closed − captioned programs in your area. Most programs and text services use channel 1 (C1/T1).

1. Press MENU button to enter MENU. Press CH∧/∨ button to select FUNCTION . See Fig1.3.1.

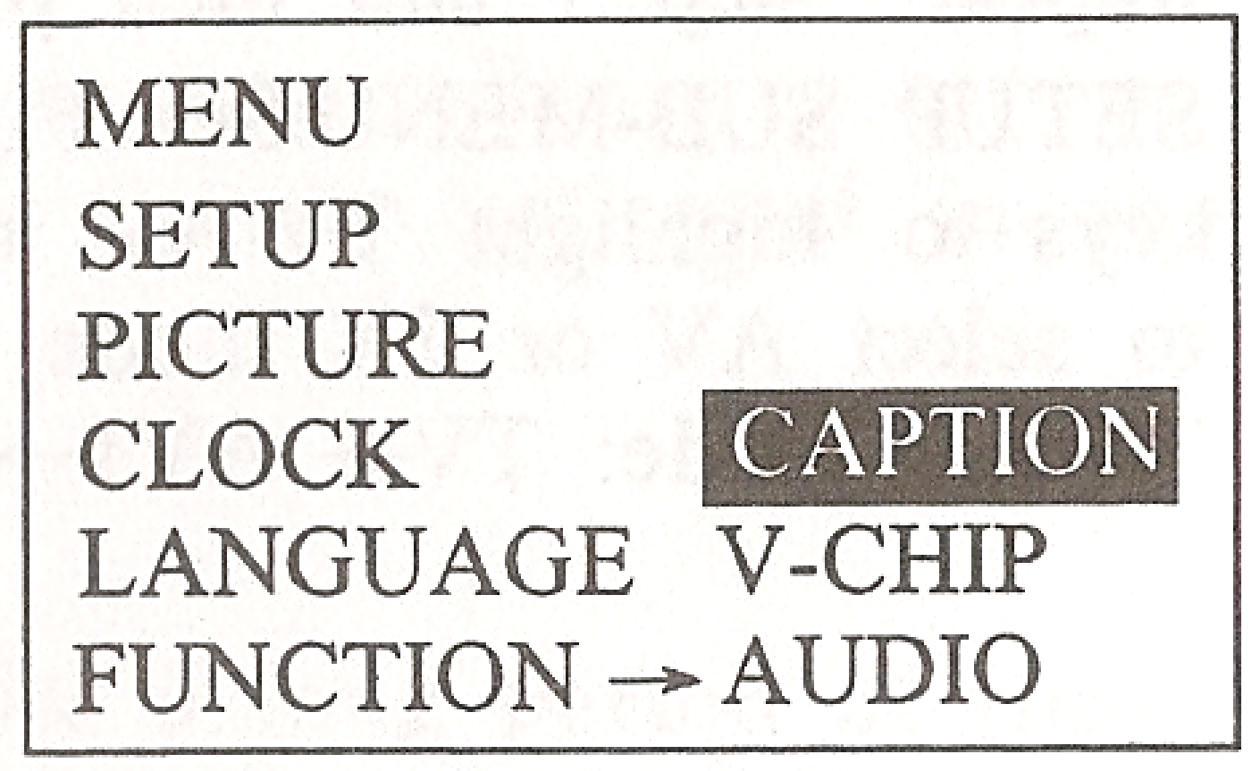

MENU
SETUP
PICTURE
CLOCK
LANGUAGE
FUNCTION
CAPTION
V-CHIP
AUDIO

Fig. 1.3.1

2. Press MENU button again,screen display is as Fig.1.3.2. Press VOL+/ − button to select CAPTION: ON or CAPTION: OFF.
3. Repeat step 2 to set CAPTION: ON. Press MENU again, screen display is as Fig. 1. 3. 2. Press VOL+/ − button to select MODE:CAPTION or MODE: TEXT.

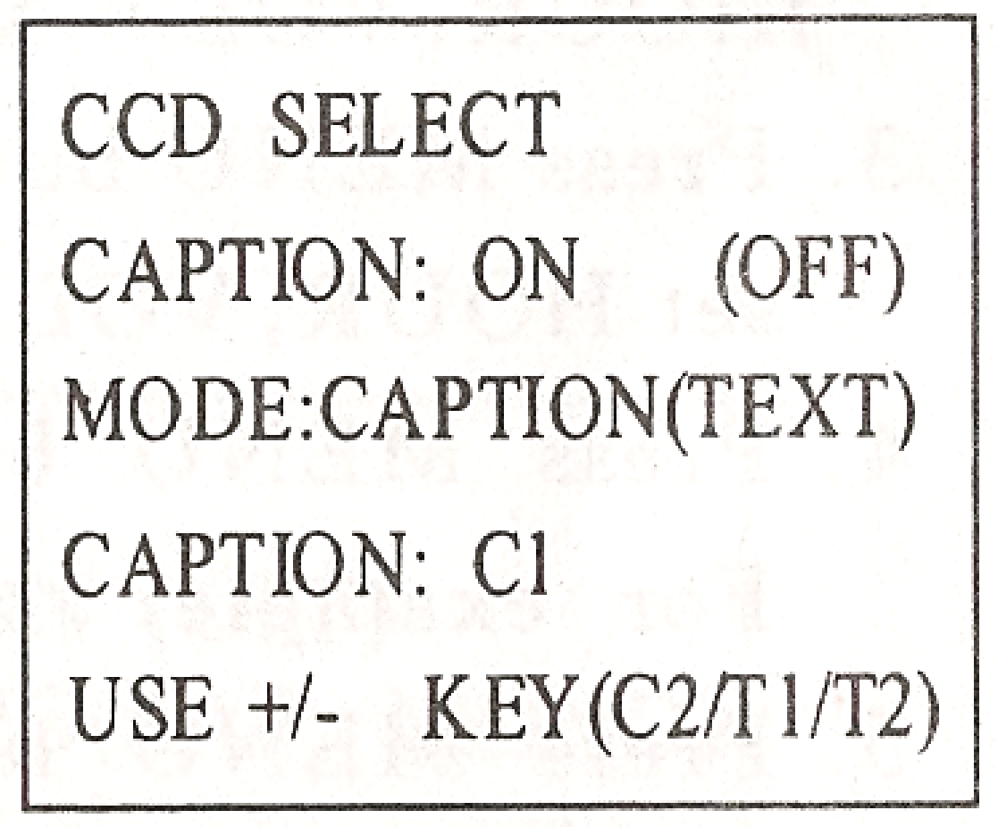

CCD SELECT
CAPTION: ON (OFF)
MODE:CAPTION(TEXT)
CAPTION: C1
USE +/- KEY(C2/T1/T2)

Fig. 1.3.2

4. **Caption Service (C1/C2)**
   Captions prepared for TV programs can be prerecorded (movies, daytime dramas, etc.). This type of caption is normally one or two line of text.
   Repeat step 3 to set MODE: CAPTION. Press MENU again, screen display is as FIg. 1. 3. 2. Press VOL+/ − button to select CAPTION: C1 or CAPTION: C2.
5. **Text Service (T1/T2)**
   Text can include: captioned program listings, farm news, sports reports and news for hearing − impaired persons or general wire − service news. This type of caption generally does not relate to the program and displays several lines of text information at a time.
   Repeat step 3 to set MODE: TEXT. Press MENU again, screen display is as Fig.1. 3. 2.Press VOL+/− button to select CAPTION: T1 or CAPTION: T2.

Selecting a Menu Language

1. Press MENU button to enter MENU. Press CH∧/∨ buton to select LANGUAGE. See Fig.1.4.1.
2. Press MENU button again to enter LANGUAGE SUB−MENU. See Fig. 1. 4. 1. Press VOL+/− button to select English, France or Spanish screen display.

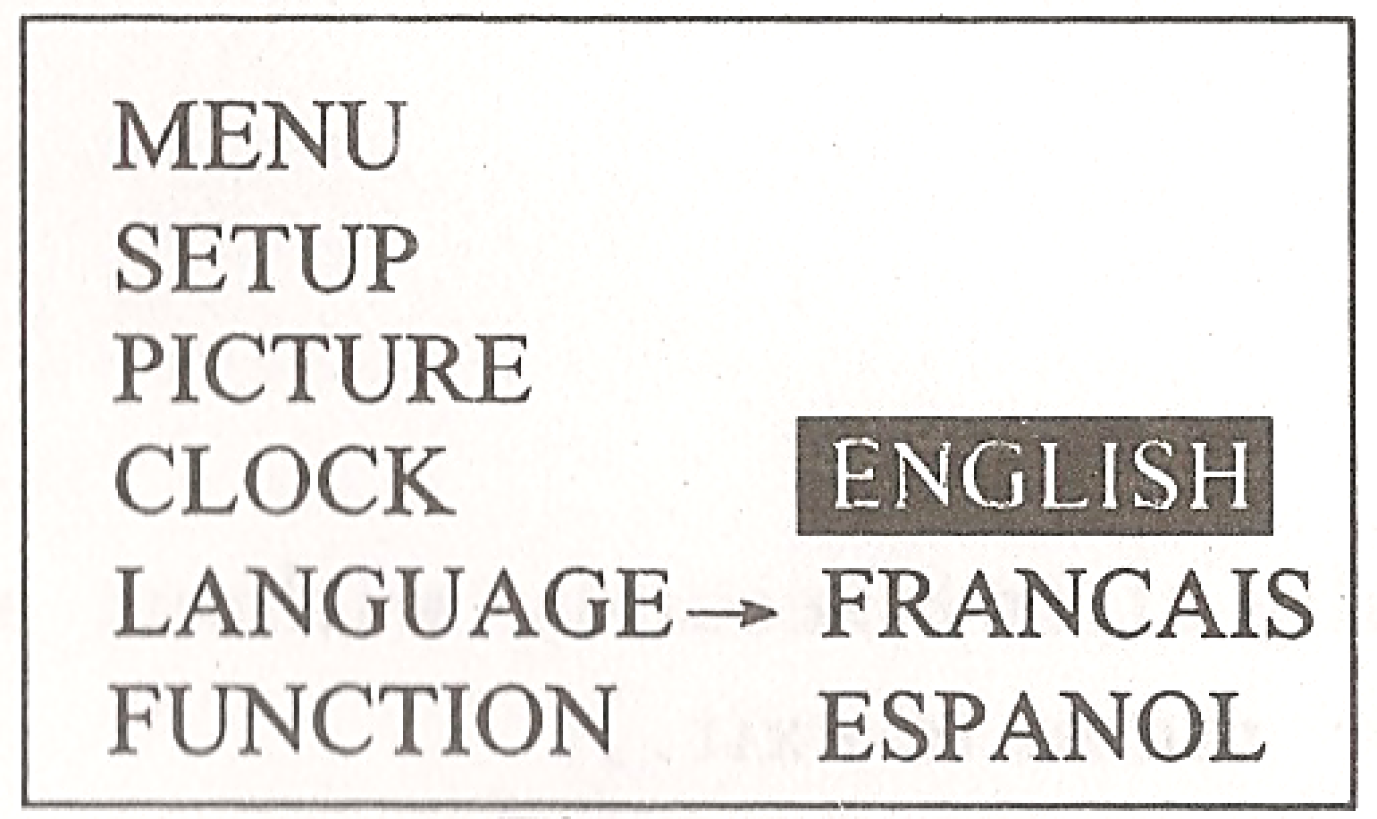

MENU
SETUP
PICTURE
CLOCK
LANGUAGE
FUNCTION
ENGLISH
FRANCAIS
ESPANOL

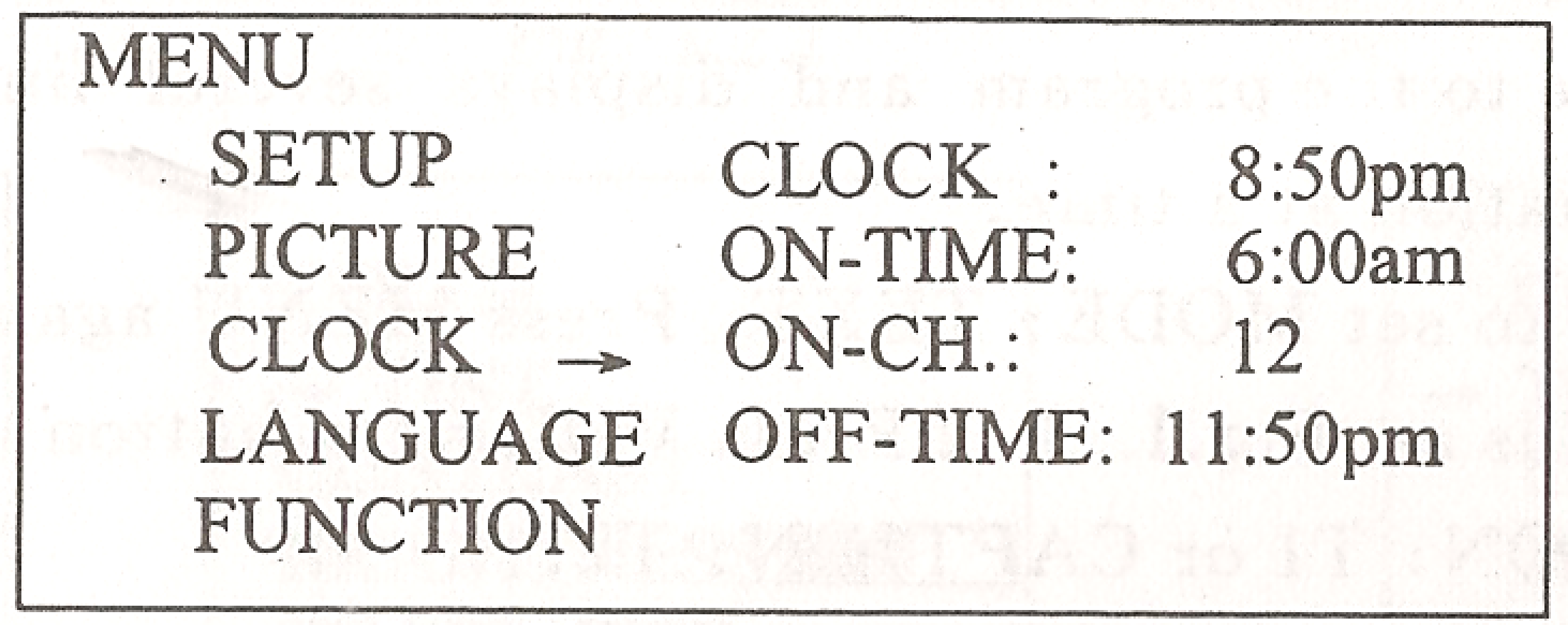
Fig. 1.4.1

Setup Clock and ON/OFF Time

ON time will turn on the TV automatically, OFF time will switch off the TV automatically.

1. Press MENU button to enter MENU. Press CH∧/∨ button to select CLOCK. See Fig.1.5.1.
2. Press MENU button again. Press CH ∧/∨ button to set Clock, VOL+ set HOUR, VOL− set MINUTE.
3. Press MENU button again. Press CH ∧/∨ button to set ON−TIME, VOL+ set HOUR, VOL− set MINUTE.
4. Press MENU button again. Press CH ∧/∨ button to set ON CH. For example: 12.
5. Press MENU button again. Press CH ∧/∨ button to set OFF−TIME, VOL+ set HOUR, VOL− set MINUTE.
6. Press MENU button again to exit.

NOTE: The Clock and ON/ OFF Time cancels when the TV is turned off or if a power failure occurs.



MENU
SETUP — CLOCK : 8:50pm
PICTURE — ON-TIME: 6:00am
CLOCK → ON-CH.: 12
LANGUAGE — OFF-TIME: 11:50pm
FUNCTION

Fig. 1.5.1

(**Note:** screen display exits automatically after 8 seconds without any operation, or to repress MENU in the final sub − menu to exit.)

Multichannel Television Sound (MTS) Setup

1. Press MENU key, then use CH.∧/∨ to highlight FUNCTION, and press MENU again to enter FUNCTION-SUB-MENU, and then press MENU to enter the AUDIO-SUB-MENU. In the AUDIO-SUB-MENU, use CH. ∧/∨ to highlight MTS and the VOL +/- to select STEREO, SAP or MONO. See Fig.1.6.1 and Fig.1.6.2.

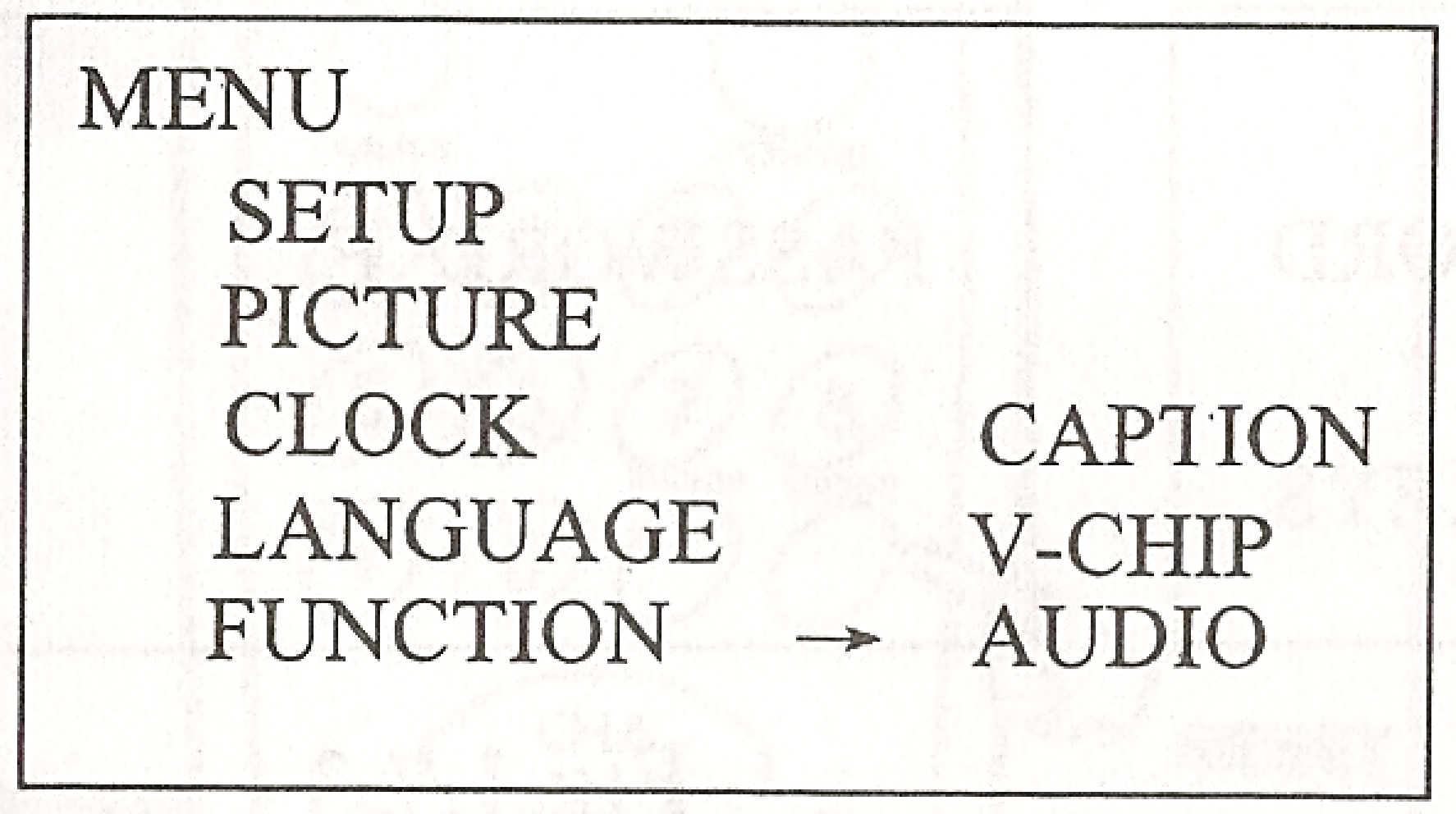
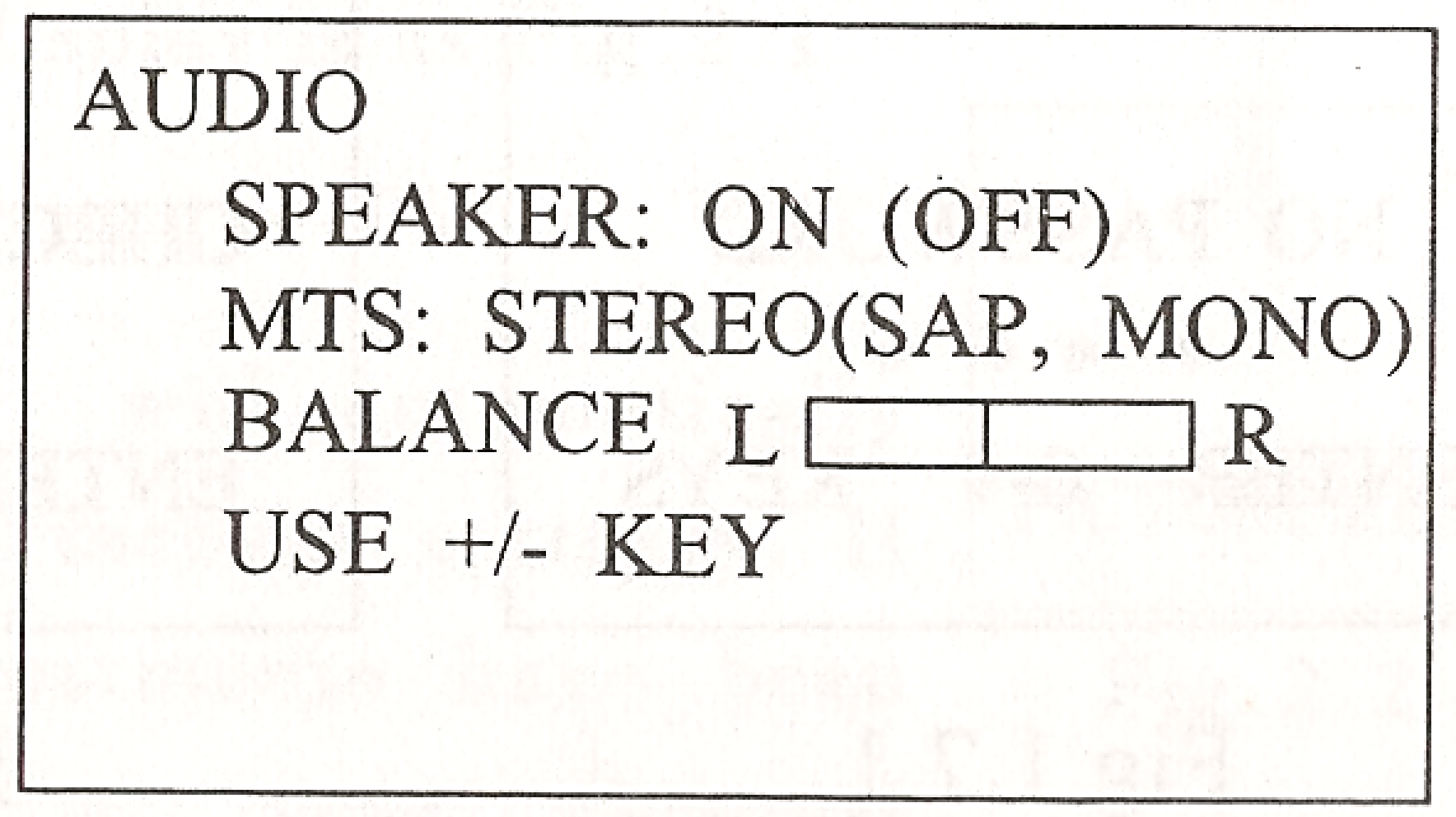


Fig. 1.6.1



AUDIO
SPEAKER: ON (OFF)
MTS: STEREO(SAP, MONO)
BALANCE L ▭▭ R
USE +/- KEY

Fig. 1.6.2

2. Repeat Step 1 to enter the AUDIO-SUB-MENU, then press the CH.∧/∨ keys to highlight. BALANCE, use the VOL +/- keys to make sound balance adjustments. See Fig 1.6.2

V-Chip Setup

1 Press MENU key, use CH.Λ / V keys to highlight FUNCTION, then press MENU again, enter the FUNCTION-SUB-MENU, highlight V-CHIP, press MENU to enter the V-CHIP-SUB-MENU.

2 If you first enter the V-CHIP MENU, use 0-9 keys to input a new 4-bti PASSWORD. See Fig.1.7.1. If you are not first, enter the PASSWORD, see Fig.1.7.2. If you input a wrong PASSWORD, the TV will ask you input the PASSWORD again, see Fig.1.7.3. if you input 0358, the soreen will display is as Fig.1.7.1. then repeat step 2.

NO PASSWORD
* * * *
ENTER 0-9 KEYS

Fig.1.7.1

CHECK PASSWORD
* * * *
ENTER 0-9 KEYS

Fig.1.7.2

PASSWORD E

Fig.1.7.3

3 Then a menu like Fig.1.7.4 appears, use VOL +/- keys to select the MPAA rating system or the TVPG rating system. Press MENU key to enter the next menu. See Fig.1.7.5. and Fig.1.5.6.

4 In the MPAA-SUB-MENU,use VOL+/- keys to select a type of MPAA rating form N/A,G,PG,PG-13,R,NC-17,X. And then press MENU key to enter the next menu.

5 In the TVPG-SUB-MENU,use VOL +/- keys to select a type of TVPG rating form TV-Y, TV-Y7, TV-G, TV-PG, TV-14, TV-MA. Press MENU key, use VOL+/-keys to select CONTENT [ON] or CONTENT [OFF] Use MENU and VOL+/- keys to decide that the D, FV, L, S, V was ON or OFF. If you select ON, for example, the Dis ON, when the TV program contains Sexually Suggestive Dialog, the TV screen will turn BLUE, the, TV sound will be MUTE, and you will NOT watch this program at that time.

SYSTEM [MPAA]
USE +/- KEY

Fig.1.7.4

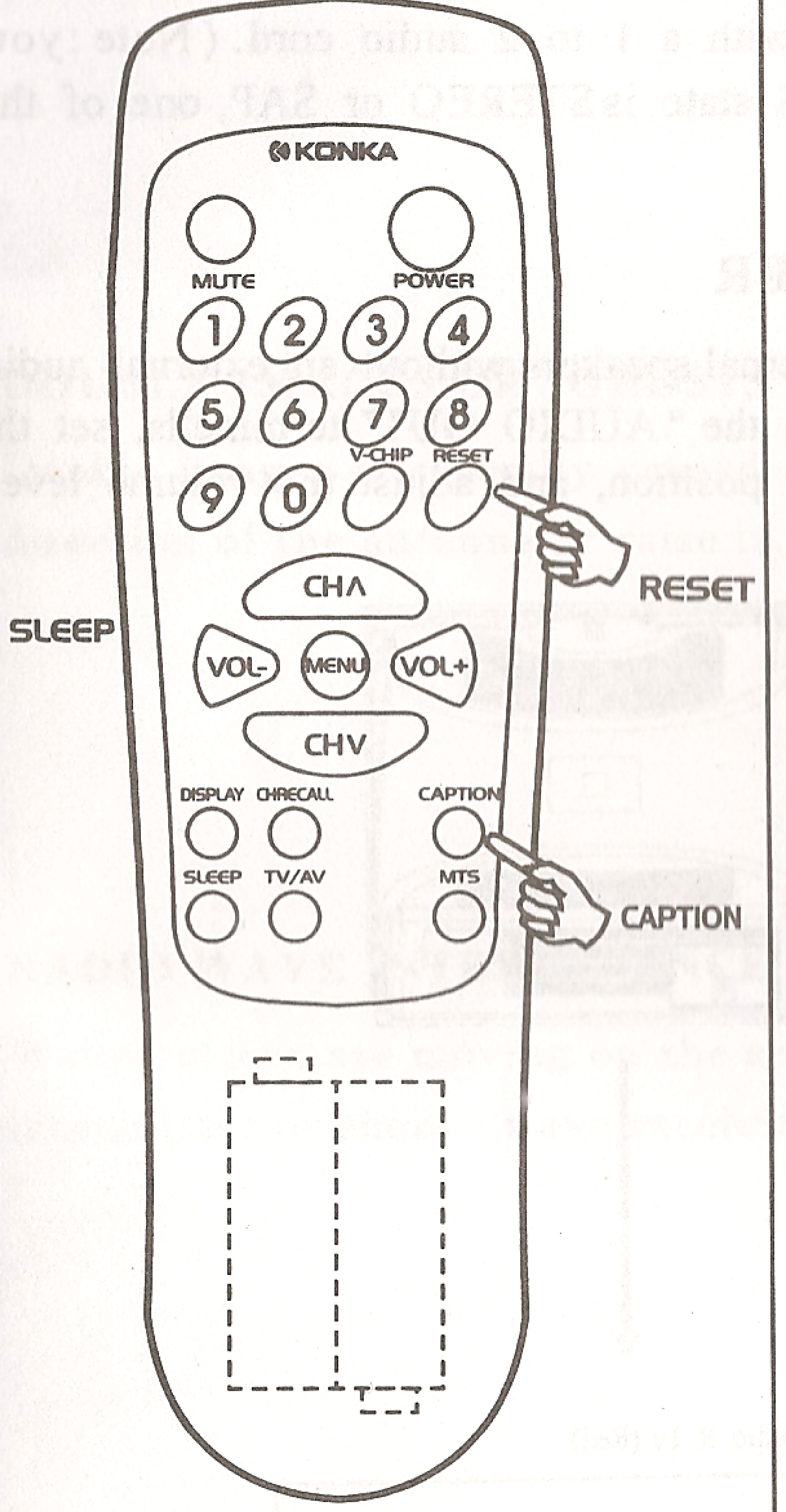
MPAA
RATING [N/A]
USE +/- KEY

Fig.1.7.5

TVPG
RATING [TV-Y]
USE +/- KEY

Fig.1.7.6

FURTHER OPERATING INSTRUCTIONS



1. CAPTION Key

Press CAPTION button of the remote controller to setup CAPTION state without entering MENU.

CAPTION State:

OFF→C1→C2→T1→T2→OFF

Screen display is as Fig.2.1.

C1

Fig.2.1

2. Resetting the TV

The TV will automatically resets to factory settings. If your adjustments have been changed or your personal preferences are not satisfactory, just press RESET key on the remote. This will reset the Picture Adjustments: color, tint, contrast, brightness, and sharpness.

PICTURE RESET

Fig.2.2

3. Setting the Sleep Timer

The Sleep Timer will switch off the TV automatically. Use your remote to set the Sleep Timer.

· Press SLEEP Key on the remote to select the time period which is displayed on the screen. The time period changes as follows:

SLEEP- - -→SLEEP 30→
SLEEP 60 →SLEEP 90→
SLEEP 120→SLEEP- - -

SLEEP 30

Fig.2.3

To cancel:

· Press SLEEP Key until SLEEP- - - appears.

NOTE: The Sleep Timer cancels when the TV is turned off or if a power failure occurs.

SLEEP ---

Fig.2.4

4. MTS Key

Press MTS key of the remote controller to setup MTS state without entering MENU.

MTS status:

MONO-STEREO-SAP-MONO

screen display is as Fig2.5

5:05AM
ANT 08
MONO

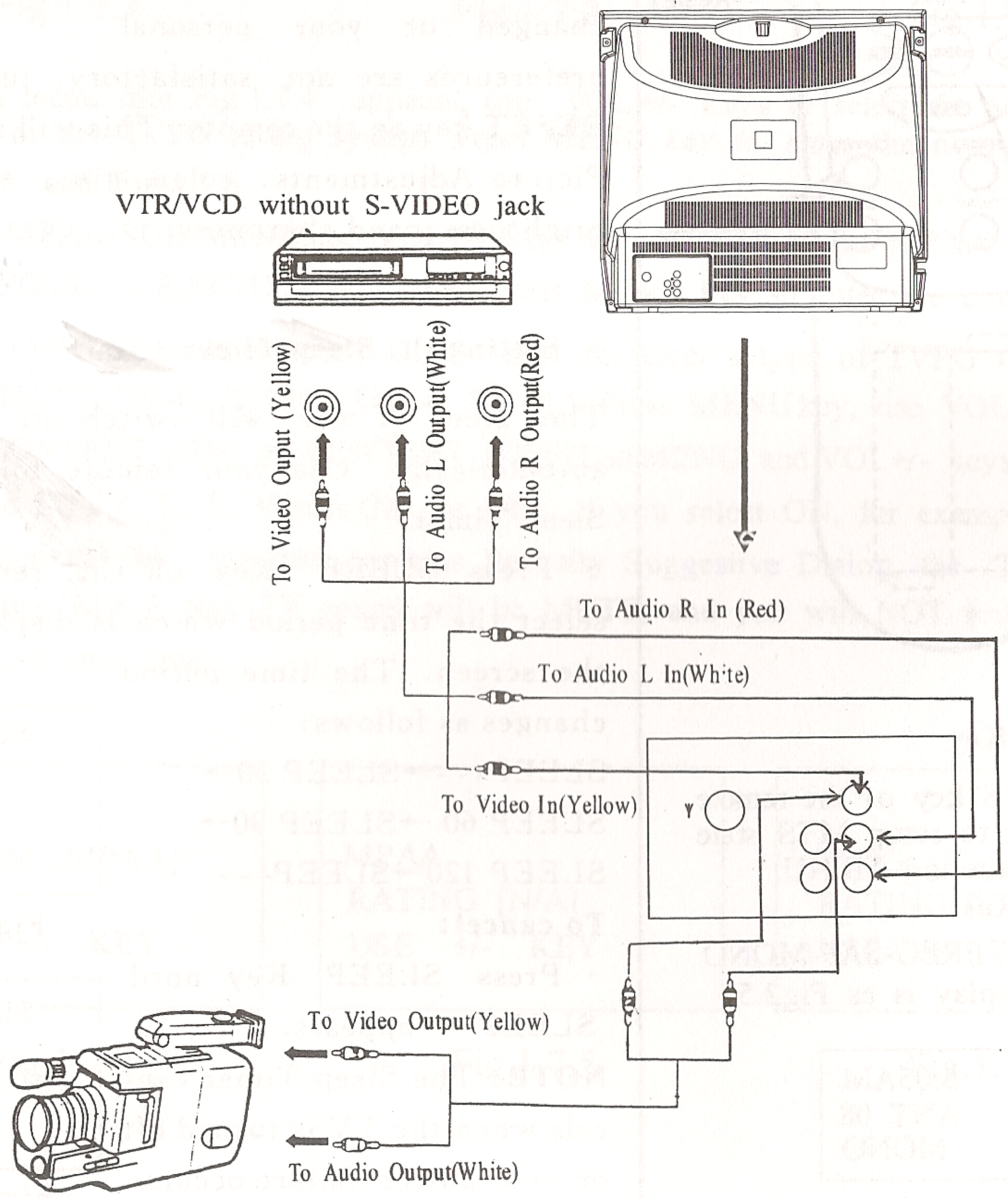
EXTERNAL CONNECTIONS

CONNECTING TO VTR/VCD/DVD

To view the program played on a VTR/VCD/DVD .connect the VIDEO OUT and AUDIO LEFT and RIGHT OUT of the VTR/VCD to the VIDEO IN jack and AUDIO L/R IN jack on the rear panel of the unit. respectively.If your VTR only has mono-audio output. connect it to both AUDIO L/ R IN jac ks with a 1 to 2 audio cord. (Note :you must set the MTS ! state to be MONO if the MTS state is STEREO or SAP, one of the two TV speakers will be not operate.)

CONNECTING TO EXTERNAL SPEAKER

The Audio out terminals can not be use for external speakers without an external audio amplifier. when an andio amplifier is connected to the “AUDIO OUT” terminells, set the volume control of the audio amplifier to a Lower position, and adjust the volume level with the volume control on the TV.

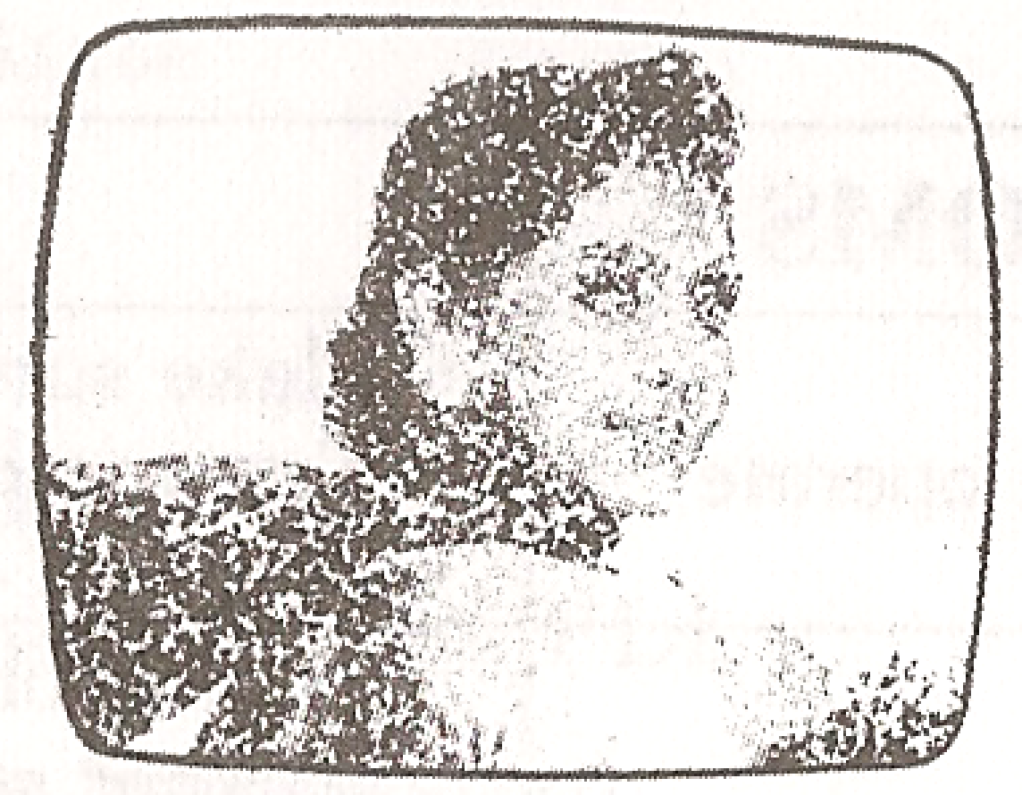

VTR/VCD without S-VIDEO jack
To Video Ouput (Yellow)
To Audio L Output(White)
To Audio R Output(Red)
To Audio R In (Red)
To Audio L In(Wh'te)
To Video In(Yellow)
Y
To Video Output(Yellow)
To Audio Output(White)

PICTURE DEFECTS AND COUNTERMEASURES (VHF/UHF RECEPTION)

The most common types of television interference are as follows:

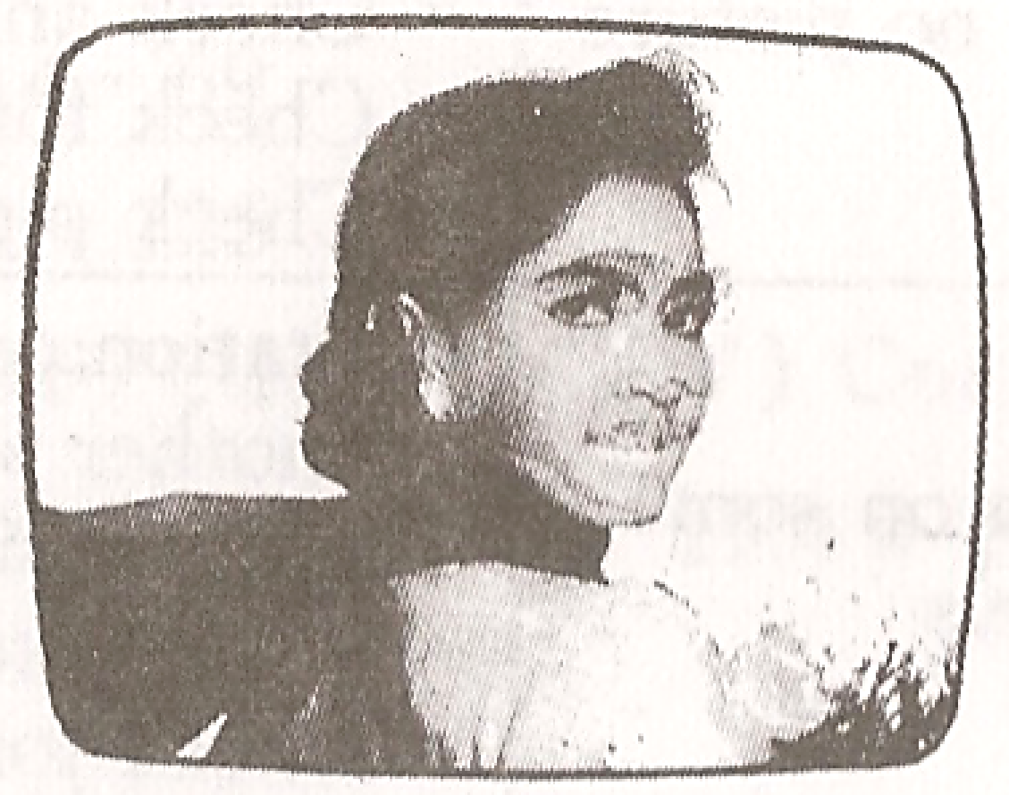
SNOWY PICTURE

Snowy picture is usually due to weak signal. Adjust antenna or install an antenna amplifier.



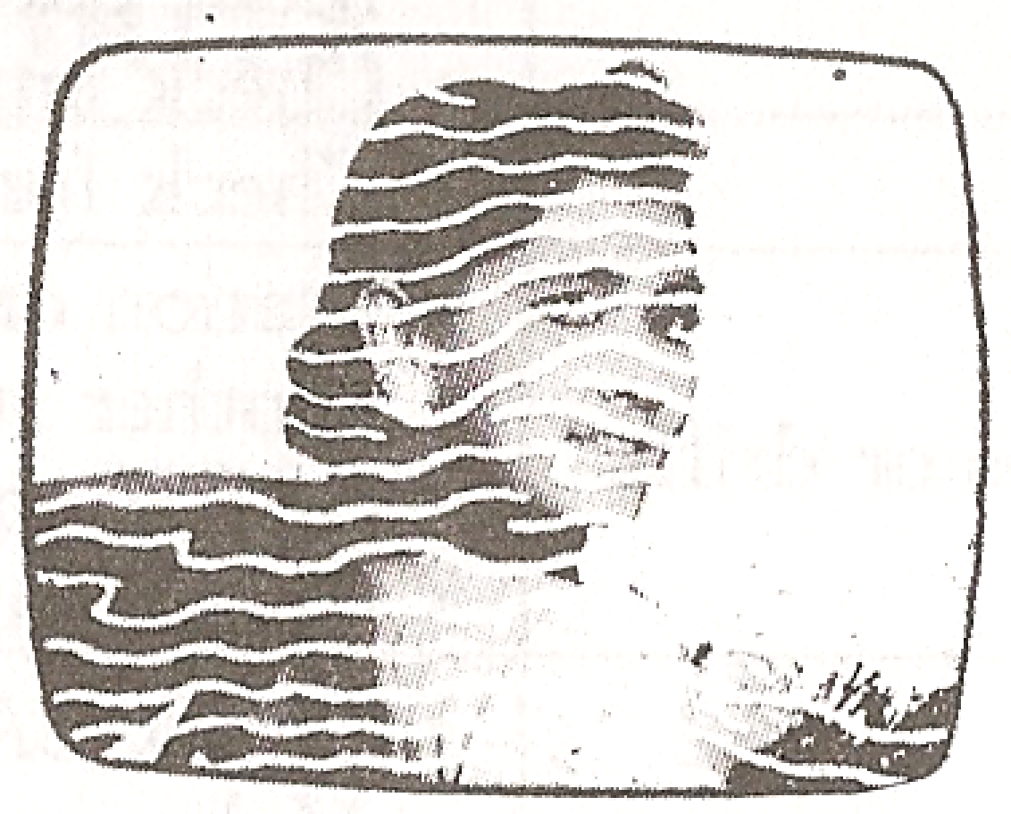
DOUBLE IMAGES OR "GHOSTS"

Double images are usually caused by reflections from tall buildings. Adjust the direction of the antenna or raise it.



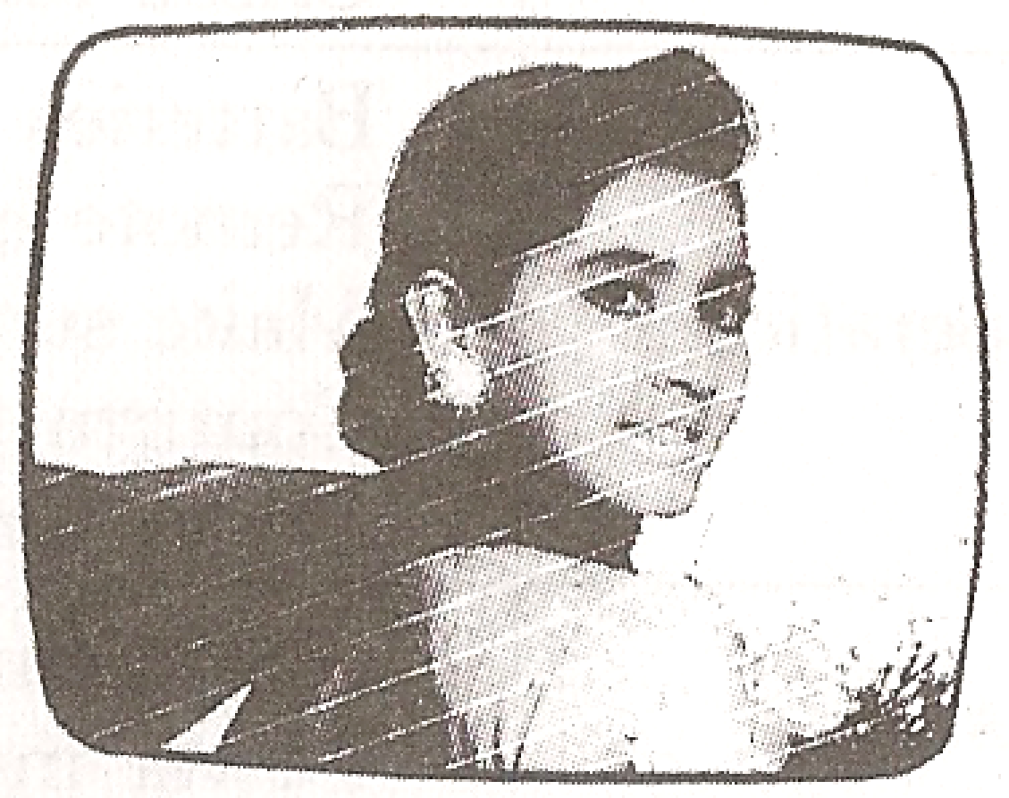
RADIO WAVE INTERFERENCE

Wavy pattern are moving on the screen, which are usually caused by nearby radio transmitter or short – wave receiving equipment.



HIGH TEMPERATURE ELECTROTHERMAL INTERFERENCE

Diagonal, or herring – bone, patterns appear on the screen or part of picture is missing. This is probably caused by high temperature electrothermal equipment in the nearby hospital.



NOTE: If one of these symptoms appears on the screen when the cable from a company is connected, this may be due to the local cable company broadcast..

TROUBLESHOOTING

If you have any problem, check the countermeasures for each symptom listed below. The following symptoms may have caused by inappropriate adjustment rather than actual malfunction of the unit. If the trouble persists, contact the service center.

SYMPTOMS	POSSIBLE SOLUTIONS
TV does not operate	· Make sure the power cord is plugged in. · Try another AC outlet. · Power is off, check fuse or circuit breaker.
Poor sound or no sound	· Station or CATV experiencing problems, tune to another station. · Check sound adjustments(Volume and Mute). · Check for sources of possible interference.
Poor picture or no picture	· Station or CATV experiencing problems, tune to another station. · Check antenna or CATV connections, reorient antenna. · Check for sources of possible interference. · Check picture adjustments.
Poor reception on some channels	· Station or CATV experiencing problems, tune to another station. · Station signal is weak, reorient antenna to receive weaker station. · Check for sources of possible interference.
Poor color or no color	· Station or CATV experiencing problems, tune to another station. · Check picture controls adjustments. · Make sure ANTENNA Mode is correct. · Check antenna or CATV connections, reorient antenna. · Check for sources of possible interference.
Picture wobbles or drifts	· Station or CATV experiencing problems, tune to another station. · CATV company is scrambling signal. · Check antenna orientation.
No CATV reception	· Check CATV connections. · Make sure ANTENNA Mode is correct. · Station or CATV system Problems, try another station.
Horizontal or diagonal bars on screen	· Check antenna connections and reorient antenna. · Make sure ANTENNA Mode is correct. · Check for sources of possible interference.
No remote operation	· Batteries are weak, dead or inserted improperly. · Remote is out of range, move closer to TV. · Make sure remote is aimed at sensor. · Contirm there is no obstructions between remote and TV. · Make sure power cord is plugged in.
TV Shuts off	· Sleep Timer is set. · Power interrupted.
No reception above channel 13	· Make sure ANTENNA Mode is correct. · If using UHF antenna, check connections.

SPECIFICATIONS

Color SYSTEM	NTSC
Power Supply	: ~ 120V 60Hz
Power Consumption	: 90 Watts
Chassis Construction	: IC Solid State
Picture Tube	: 20"
Audio Output	: 2 × 1.2W
loudspeaker	: 8Ω/3W + 8Ω/3W
Tuner Type	: 181 Channel, Quarts PLL Frequency Synthesized
Remote Controller	: Infrared, Direct Access, 25 Keys, 2x AA Batteries
Channel Coverage	: VHF 2 – 13 UHF 14 – 69 CATV 1 – 125
Antenna Input Impedance	: 75 Ω (VHF/UHF/CATV) Coaxial Input
Dimensions	: 508 × 493 × 468 mm(20 × 19.4 × 18.4in)
Weight	:20.5kg (45.2Lbs)

ACCESSORIES

- User's Manual
- Remote Controller
- Warranty Card
- 2 "AA" Batteries